

**ENDURING RESOURCES, LLC**

425 Seventeenth Street, Suite 1500

Denver, Colorado 80202

Telephone: 303-573-1222

Facsimile: 303-573-0461

May 15, 2006

State of Utah  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt lake City, Utah 84114-5801

Attention: Diana Whitney

RE: **Rock House 10-23-32-31**  
**Surface Location: NWSE Sec. 31-10S-23E**  
**2178' FSL – 1877' FEL**  
**Lease Serial No.: UTU-76281**  
**Bottom Hole Location: SWNE Section 31-10S-23E**  
**1980' FNL – 1980' FEL**  
**Lease Serial No.: UTU-81737**  
**Uintah County, Utah**

Dear Ms. Whitney

Attached are two applications to drill for the above-referenced proposed well. This well will be drilled on federal lands.

Enduring Resources, LLC respectfully requests that this information, and future information, be held confidential.

Should you have any questions concerning this matter, please do not hesitate to call (303-350-5114)

Very truly yours

**ENDURING RESOURCES, LLC**



Alvin R. (Al) Arlian  
Landman – Regulatory Specialist

ara/

Attachments as stated:

**RECEIVED**

**MAY 19 2006**

DIV. OF OIL, GAS & MINING



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐  
(highlight changes)

<b>APPLICATION FOR PERMIT TO DRILL</b>		5. MINERAL LEASE NO: <b>UTU-81737</b>	6. SURFACE: <b>Federal</b>
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		8. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: <b>Enduring Resources, LLC</b>		9. WELL NAME and NUMBER: <b>Rock House10-23-32-31</b>	
3. ADDRESS OF OPERATOR: <b>475 17th St., Ste 1500</b> CITY <b>Denver</b> STATE <b>CO</b> ZIP <b>80220</b>		10. FIELD AND POOL, OR WILDCAT: <b>Undesignated Natural Butte</b>	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: <b>2178' FSL - 1877' FEL NWSE</b> AT PROPOSED PRODUCING ZONE: <b>1980' FNL - 1980' FEL SWNE</b>		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NWSE 31 10S 23E S</b>	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: <b>78.4 miles southeast of Vernal, UT</b>		12. COUNTY: <b>Uintah</b>	13. STATE: <b>UTAH</b>
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) <b>1980' BHL</b>	16. NUMBER OF ACRES IN LEASE: <b>640</b>	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: <b>40 acres</b>	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) <b>25' Surface 1,000' BHL</b>	19. PROPOSED DEPTH: <b>8,325</b>	20. BOND DESCRIPTION: <b>RLB0008031</b>	
21. ELEVATIONS (SHOW WHETHER OF, RT, GR, ETC.): <b>5771' KB-RT</b>	22. APPROXIMATE DATE WORK WILL START: <b>7/1/2006</b>	23. ESTIMATED DURATION: <b>20 days</b>	

24. PROPOSED CASING AND CEMENTING PROGRAM							
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
20"	14"	line pipe		40	3 yards	Ready Mix	
11"	8-5/8"	J-55	24#	2,016	Premium Lead	138 sxs	3.50 11.1
					Premium Tail	138 sxs	1.15 15.8
7-7/8"	4-1/2"	N-80	11.6#	8,325	Class G	154 sxs	3.3 11.0
					50/50 Poz Class G	886 sxs	1.56 14.3

25. ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Alvin R. (Al) Arlian TITLE Landman - Regulatory Specialist

SIGNATURE [Signature] DATE 5/14/2006

(This space for State use only)

API NUMBER ASSIGNED: 43-047-58134

**Approved by the**  
**Utah Division of**  
**Oil, Gas and Mining**

**RECEIVED**

**MAY 19 2006**

DIV. OF OIL, GAS & MINING

(11/2001)

**Federal Approval of this  
Action is Necessary**

Date: 05-25-06  
By: [Signature]



# T10S, R23E, S.L.B.&M.

## ENDURING RESOURCES

1991 Alum. Cap,  
Pile of Stones,  
Steel Post

N89°03'W 39.23 (G.L.O.)  
N89°02'49"W - 2589.06' (Meas.)

S89°22'W 39.90 (G.L.O.)  
S89°21'22"W - 2632.45' (Meas.)

WELL LOCATION, ROCK HOUSE  
10-23-32-31, LOCATED AS SHOWN IN  
THE SW 1/4 NE 1/4 OF SECTION 31,  
T10S, R23E, S.L.B.&M. UINTAH COUNTY,  
UTAH.

### NOTES:

- Well footages are measured at right angles to the Section Lines.
- The Bottom of hole bears N06°02'11"W 1084.80' from the Surface Position.
- Bearings are based on Global Positioning Satellite observations.
- BASIS OF ELEVATION IS TRIANGULATION STATION JEK 19 ET 1966 WHICH IS LOCATED NEAR THE SOUTH 1/4 CORNER OF SECTION 8, T11S, R23E, S.L.B.&M. THE ELEVATION OF THIS TRIANGULATION STATION IS SHOWN ON THE ARCHY BENCH SE 7.5 MIN. QUADRANGLE AS BEING 6054'.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS  
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS  
MADE BY ME OR UNDER MY SUPERVISION AND THAT  
THE SAME ARE TRUE AND CORRECT TO THE BEST OF  
MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR  
REGISTRATION No. 362251  
STATE OF UTAH

## TIMBERLINE LAND SURVEYING, INC.

38 WEST 100 NORTH. - VERNAL, UTAH 84078  
(435) 789-1365

DATE SURVEYED: 12-13-05	SURVEYED BY: K.R.K.	SHEET 2d OF 11
DATE DRAWN: 12-15-05	DRAWN BY: M.W.W.	
SCALE: 1" = 1000'	Date Last Revised:	

N0°05'W 79.94 (G.L.O.)

2626.45' (Measured)

N00°05'17"W (Basis of Bearings)

N00°04'57"W - 2648.69' (Meas.)

**WELL LOCATION:  
ROCK HOUSE 10-23-32-31**

ELEV. UNGRADED GROUND = 5757.0'

LOT 1

LOT 2

1991 Alum.  
Cap in pile  
of Stones

LOT 3

LOT 4

1991 Alum. Cap,  
Pile of Stones,  
Steel Post

1995 Alum.  
Cap, Pile of  
Stones

31

Well Surface  
Position

Bottom  
of Hole

1995 Alum.  
Cap in pile  
of Stones

S89°59'52"W - 2640.13' (Meas.)  
S89°59'W 40.00 (G.L.O.)

S89°49'24"W - 2628.80' (Meas.)  
S89°44'W 39.84 (G.L.O.)

1995 Alum.  
Cap in pile  
of Stones

▲ = SECTION CORNERS LOCATED

ROCK HOUSE 10-23-32-31  
(Bottom Hole) NAD 83 Autonomous  
LATITUDE = 39° 54' 25.51"  
LONGITUDE = 109° 22' 02.16"

ROCK HOUSE 10-23-32-31  
(Surface Position) NAD 83 Autonomous  
LATITUDE = 39° 54' 14.85"  
LONGITUDE = 109° 22' 00.69"



**ENDURING RESOURCES, LLC**

425 Seventeenth Street, Suite 1500

Denver, Colorado 80202

Telephone: 303-573-1222

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May 16, 2006

State of Utah  
Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801  
Attention: Ms. Diana Whitney

**RE: Exception Locations – Directional Drilled Wells**  
Uintah County, Utah –UTU-81737 Surface Pad

Dear Ms. Whitney:

Enduring Resources, LLC respectfully requests a spacing exception for the following wells. Five wells will be drilled from this well pad. Surface locations will be 25', more or less apart. BHL's for each well will be in its own "assigned" 40-acre, 200' drilling window. No BHL's will be within 960' of each other. All of the wells, except one vertical well on this pad are being drilled directional to limit surface impact.

<u>WELL NAME&amp; NUMBER</u>	<u>WELL LOCATIONS</u>
a. Rock House 10-23-32-31 BHL- UTU-81737	SURF 2178' FSL–1877' FEL NWSE Sec 31-10S-23E BHL 1980' FNL– 1980' FEL SWNE Sec 31-10S-23E
b. Rock House 10-23-33-31 BHL- UTU-81737	SURF 2133' FSL–1857' FEL NWSE Sec 31-10S-23E BHL SAME-VERTICAL
c. Rock House 10-23-34-31 BHL- UTU-81737	SURF 2156' FSL– 1867' FEL NWSE Sec 31-10S-23E BHL 660' FSL–1980' FEL SWSE Sec 31-10S-23E
d. Rock House 10-23-43-31 BHL-UTU-81737	SURF 2110' FSL–1847' FEL NWSE Sec 31-10S-23E BHL 1980' FSL–660' FEL NESE Sec 31-10S-23E

Enduring Resources, LLC is the only lease owner within a 460' radius of any point of any of the well bores, the surface locations, and the four BHL's, to be drilled from this pad.

Therefore, Enduring Resources, LLC hereby grants itself permission to directionally drill the wells and the four exception well locations.

Very truly yours

**ENDURING RESOURCES, LLC**



Alvin R. (Al) Arlian  
Landman – Regulatory Specialist

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MAY 19 2006

DIV. OF OIL, GAS & MINING



# Enduring Resources, LLC

## Rock House 10-23-32-31

SW-NE 31-10S-23E (Bottom Hole Location)

NW-SE 31-10S-23E (Surface Location)

Uintah County, Utah

Federal Lease: UTU-81737

## ONSHORE ORDER 1 - DRILLING PLAN

### 1. Estimated Tops of Geological Markers:

Formation	Depth (K.B.)
Uinta	Surface
Green River	1121
Wasatch	3871
Mesaverde	5821

### 2. Estimated Depths of Anticipated Water, Oil, Gas or Other Minerals:

Substance	Formation	Depth (K.B.) TVD
	KB-Uinta Elevation: 5771' est.	
Oil / Gas	Green River	1121
Oil /Gas	Wasatch	3871
Oil /Gas	Mesaverde	5821
	TD	8325

An 11" hole will be drilled to approximately 2000 feet. The depth will be determined by the depth that the Birds Nest zone is encountered. The hole will be drilled 400 feet beyond the top of the Birds Nest zone and surface casing will be set.

### 3. Pressure Control Equipment: (3000 psi schematic attached)

- A. Type: Eleven (11) inch double gate hydraulic BOP with eleven (11) inch annular preventer on 3,000 psi casinghead, with 3,000 psi choke manifold equipped per the attached diagram. BOPE as specified in *Onshore Oil & Gas Order Number 2*. A PVT, stroke counter and flow sensor will be installed to check for flow and monitor pit volume.
- B. Pressure Rating: 3,000 psi BOPE
- C. Kelly will be equipped with upper and lower Kelly valves.
- D. Testing Procedure: Annular Preventer



At a minimum, the annular preventer will be pressure tested to 50% of the stack rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition to the above, the annular preventer will be functionally operated at least weekly.

#### Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition to the above, the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

#### E. Miscellaneous Information:

The blowout preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*.

#### 4. Proposed Casing & Cementing Program:

##### A. Casing Program: All New

Hole Size	Casing Size	Wt./Ft.	Grade	Joint	Depth Set (MD)
20"	14" O.D.				40' (GL)
11"	8-5/8"	24#	J-55	ST&C	0 – 2016' (KB) est.
7-7/8"	4-1/2"	11.6#	N-80	LT&C	0 – 8325' (KB)



The surface casing will have guide shoe, 1 joint, insert float collar. Centralize the shoe joint with bowspring centralizers in the middle and top of the joint and the next 16 joints with bowspring centralizers on every other collar (8 centralizers total). Thread lock guide shoe.

Casing string(s) will be pressure tested to 0.22 psi/foot of casing string length or 1500 psi, whichever is greater (not to exceed 70% of the internal yield strength of the casing), after cementing and prior to drilling out from under the casing shoe.

**B. Casing Design Parameters:**

Depth (MD)	Casing	Collapse(psi)/SF	Burst (psi)/SF	Tension(mlbs)/SF
40' (GL)	14" OD			
2016' (KB)	8-5/8", 24#/ft, J55, STC	1370/1.52(a)	2950/3.28(b)	244/5.81(c)
8325' (KB)	4-1/2", 11.6#/ft, N-80, LTC	6350/1.47(d)	7780/1.96 (e)	223/2.69 (f)

- (a.) based on full evacuation of pipe with 8.6 ppg fluid on annulus
- (b.) based on 8.6 ppg gradient with no fluid on annulus
- (c.) based on casing string weight in 8.6 ppg mud
- (d.) based on full evacuation of pipe with 10.0 ppg fluid on annulus
- (e.) based on 9.2 ppg gradient, gas to surface, with no fluid on annulus,  
no gas gradient
- (f.) based on casing string weight in 9.2 ppg mud

**PROPOSED CEMENTING PROGRAM**

**Surface Casing (if well will circulate)-Cemented to surface**

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft <sup>3</sup> /sx)
8-5/8"	Lead	1516	Premium cement + 16% gel + 0.25 pps celloflake	138	25%	11.1	3.50
8-5/8"	Tail	500	Premium cement + 2% CaCl <sub>2</sub> + 0.25 pps celloflake	138	25%	15.8	1.15

A cement top job is required if cement fallback is greater than 10' below ground level. Top job (weight 15.8 ppg, yield 1.15 ft<sup>3</sup>/sx) cement will be premium cement w/ 3% CaCl<sub>2</sub> + 0.25 pps celloflake. Volume as required

**Surface Casing (if well will not circulate) - Cemented to surface**

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft <sup>3</sup> /sx)
8-5/8"	Lead	500	Premium cement + 2% CaCl <sub>2</sub> + 0.25 pps celloflake	138	25	15.8	1.15
8-5/8"	Top job	As req.	Premium cement + 3% CaCl <sub>2</sub> + 0.25 pps celloflake	As Req.		15.8	1.15



**Production Casing and Liner** - Cemented TD to 300' above base of surface casing

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft <sup>3</sup> /sx)
4-1/2"	Lead	1755	Class "G" + 5% NaCl + 12% Gel + 0.25 pps celloflake + 0.2% antifoam + 0.25% fluid loss + 1% extender	154	25	11.0	3.3
4-1/2"	Tail	4854	50/50 POZ Class G + 2% gel + 1% CaCl <sub>2</sub> + 0.2% dispersant + 0.2% fluid loss + 0.1% antifoam	886	25	14.3	1.56

Cement volumes for the 4-1/2" Production Casing will be calculated to provide a top of cement to 300' above base of surface casing. Cement volumes are approximate and were calculated under the assumption that a gauge hole will be achieved. Actual cement volumes may vary due to variations in the actual hole size and will be determined by running a caliper log on the drilled hole. Actual cement types may vary due to hole conditions and cement contractor used.

All waiting on cement (WOC) times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

**5. Drilling Fluids (mud) Program:**

Interval (MD)	Mud Weight	Fluid Loss	Viscosity	Mud Type
0' - 2016' (KB)		No cntrl		Air/mist
2000'-3000' (KB)	8.4-8.6	No cntrl	28-36	Water
3000'-8325' (KB)	8.8-9.8	8 - 10 ml	32-42	Water/Gel

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blowout will be available at the well site during drilling operations.

**6. Evaluation Program:**

Tests: No tests are currently planned.

Coring: No cores are currently planned.

Samples: No sampling is currently planned.



Logging

- Dual Induction – SFL /Gamma Ray/Caliper/SP/TDLT/CNL/ML  
TD to Base Surface Casing
- Cement Bond Log / Gamma Ray:  
TD to Base of Surface Casing or Top of Cement if below Base of Surface Casing

Stimulation: A stimulation or frac treatment will be designed for completion of this well based on openhole log analysis. The drill site, as approved, will be sufficient size to accommodate all completion activities.

7. **Abnormal Conditions:**

No abnormal temperatures or pressures are anticipated. No H<sub>2</sub>S has been encountered or known to exist from previous wells drilled to similar depths in the general area.

Maximum anticipated bottom hole pressure equals approximately 4,329 psi (calculated at 0.52 psi/foot of hole) and maximum anticipated surface pressure equals approximately 2,489 psi (anticipated bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot of hole).

8. **Anticipated Starting Dates:**

- Anticipated Commencement Date- Within one year of APD issue.
- Drilling Days- Approximately 10 days
- Completion Days - Approximately 10 days
- Anticipate location construction within 30 days of permit issue.

9. **Variances:**

None anticipated

10. **Other:**

A Cultural Resource Inventory and Paleontology reconnaissance shall be conducted for the well location, access route and pipeline. The reports shall be submitted to the Division of Oil, Gas and Mining and the School and Institutional Trust lands Administration upon their receipt.

A measurement while drilling (MWD) system will be used to track and control the directional path of the wellbore.



## SELF-CERTIFICATION STATEMENT

The following self-certification statement is provided per federal requirements dated June 15, 1988.

Please be advised that Enduring Resources, LLC is considered to be the operator of the following well.

**Rock House 10-23-32-31**

Surface Location: NW-SE Sec. 31-10S-23E

2178' FSL – 1877' FEL

Lease Serial No.: UTU-81737

Bottom Hole Location: SW-NE Sec. 31-10-23E

1980' FNL – 1980' FEL

Lease Serial No.: UTU-81737

Uintah County, Utah

Enduring Resources, LLC is responsible under the terms and conditions of the lease for the operations conducted upon leased lands. Bond coverage is provided by UTB000173.



Alvin R. (Al) Arlian  
Regulatory Specialist  
Enduring Resources, LLC  
475 17th Street, Suite 1500  
Denver, CO 80202  
(303) 350-5114

May 15, 2006

Date



**ENDURING RESOURCES**  
**Rock House 10-23-32-31**  
**Section 31, T10S, R23E, S.L.B.&M.**

FROM THE INTERSECTION OF U.S. HIGHWAY 40 AND 500 EAST STREET IN VERNAL, UTAH PROCEED IN AN EASTERLY THEN SOUTHERLY DIRECTION ALONG U.S. HIGHWAY 40 APPROXIMATELY 3.3 MILES TO THE JUNCTION OF STATE HIGHWAY 45; EXIT RIGHT AND PROCEED IN A SOUTHERLY DIRECTION ALONG STATE HIGHWAY 45 APPROXIMATELY 40.5 MILES TO THE JUNCTION OF THE DRAGON ROAD (COUNTY B ROAD 4180). THIS ROAD IS LOCATED APPROXIMATELY 4.8 MILES SOUTH OF BONANZA, UTAH. EXIT LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION ALONG COUNTY B ROAD 4180 APPROXIMATELY 4.0 MILES TO THE JUNCTION OF THE KINGS WELLS ROAD (COUNTY B ROAD 4190). EXIT RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION ALONG COUNTY B ROAD 4190 APPROXIMATELY 8.7 MILES TO THE JUNCTION OF THE ATCHEE RIDGE ROAD (COUNTY B ROAD 4270). CONTINUE ALONG COUNTY B ROAD 4190 IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 4.3 MILES TO THE JUNCTION OF THE LONG DRAW ROAD (COUNTY B ROAD 4260). CONTINUE ALONG COUNTY B ROAD 4190 IN A SOUTHERLY, THEN WESTERLY DIRECTION APPROXIMATELY 4.0 MILES TO THE JUNCTION OF COUNTY B ROAD 4160. EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4160 APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THE BITTER CREEK ROAD (COUNTY B ROAD 4120). EXIT LEFT AND PROCEED IN A WESTERLY DIRECTION ALONG COUNTY B ROAD 4120 APPROXIMATELY 1.9 MILES TO THE JUNCTION OF COUNTY B ROAD 4230. EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4230 APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THE ATCHEES WASH ROAD (COUNTY B ROAD 4240). EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4240 APPROXIMATELY 2.7 MILES TO A CLASS D COUNTY ROAD. EXIT LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 1.4 MILES TO THE SADDLETREE DRAW ROAD (COUNTY B ROAD 4230); EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4230 APPROXIMATELY 2.1 MILES TO A CLASS D COUNTY ROAD; EXIT LEFT AND PROCEED IN AN SOUTHWESTERLY DIRECTION ALONG THE COUNTY D ROAD APPROXIMATELY 1.7 MILES TO A SECOND CLASS D COUNTY ROAD. EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG THE SECOND CLASS D ROAD APPROXIMATELY 2.0 MILES TO THE PROPOSED ACCESS ROAD FOR ROCK HOUSE 10-23-21-30. FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE PROPOSED ACCESS ROAD. FOLLOW ROAD FLAGS IN A NORTHWESTERLY DIRECTION APPROXIMATELY 230 FEET TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 78.4 MILES IN A SOUTHEASTERLY DIRECTION.



**Enduring Resources, LLC**  
**Rock House 10-23-32-31**  
SW-NE 31-10S-23E (Bottom Hole Location)  
NW-SE 31-10S-23E (Surface Location)  
Uintah County, Utah

**Federal Lease: UTU-81737**

**MULTI-POINT SURFACE USE & OPERATIONS PLAN**

**1. Existing Roads:**

**Directions to the Rock House 10-23-33-31, Rock House 10-23-34-31, Rock House 10-23-43-31 and Rock House 10-23-32-31 Wells' Pad (four-well pad).**

FROM THE INTERSECTION OF U.S. HIGHWAY 40 AND 500 EAST STREET IN VERNAL, UTAH PROCEED IN AN EASTERLY THEN SOUTHERLY DIRECTION ALONG U.S. HIGHWAY 40 APPROXIMATELY 3.3 MILES TO THE JUNCTION OF STATE HIGHWAY 45; EXIT RIGHT AND PROCEED IN A SOUTHERLY DIRECTION ALONG STATE HIGHWAY 45 APPROXIMATELY 40.5 MILES TO THE JUNCTION OF THE DRAGON ROAD (COUNTY B ROAD 4180). THIS ROAD IS LOCATED APPROXIMATELY 4.8 MILES SOUTH OF BONANZA, UTAH. EXIT LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION ALONG COUNTY B ROAD 4180 APPROXIMATELY 4.0 MILES TO THE JUNCTION OF THE KINGS WELLS ROAD (COUNTY B ROAD 4190). EXIT RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION ALONG COUNTY B ROAD 4190 APPROXIMATELY 8.7 MILES TO THE JUNCTION OF THE ATCHEE RIDGE ROAD (COUNTY B ROAD 4270). CONTINUE ALONG COUNTY B ROAD 4190 IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 4.3 MILES TO THE JUNCTION OF THE LONG DRAW ROAD (COUNTY B ROAD 4260). CONTINUE ALONG COUNTY B ROAD 4190 IN A SOUTHERLY, THEN WESTERLY DIRECTION APPROXIMATELY 4.0 MILES TO THE JUNCTION OF COUNTY B ROAD 4160. EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4160 APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THE BITTER CREEK ROAD (COUNTY B ROAD 4120). EXIT LEFT AND PROCEED IN A WESTERLY DIRECTION ALONG COUNTY B ROAD 4120 APPROXIMATELY 1.9 MILES TO THE JUNCTION OF COUNTY B ROAD 4230. EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4230 APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THE ATCHEES WASH ROAD (COUNTY B ROAD 4240). EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4240 APPROXIMATELY 2.7 MILES TO A CLASS D COUNTY ROAD. EXIT LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 1.4 MILES TO THE SADDLETREE DRAW ROAD (COUNTY B ROAD 4230); EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG COUNTY B ROAD 4230 APPROXIMATELY 2.1 MILES TO A CLASS D COUNTY ROAD; EXIT LEFT AND PROCEED IN AN SOUTHWESTERLY DIRECTION ALONG THE COUNTY D ROAD APPROXIMATELY 1.7 MILES TO A SECOND CLASS D COUNTY ROAD. EXIT RIGHT AND PROCEED IN A NORTHERLY DIRECTION ALONG THE SECOND CLASS D ROAD APPROXIMATELY 2.0 MILES TO THE PROPOSED ACCESS ROAD FOR ROCK HOUSE 10-23-21-30. FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE PROPOSED ACCESS ROAD.



FOLLOW ROAD FLAGS IN A NORTHWESTERLY DIRECTION APPROXIMATELY 230 FEET TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 78.4 MILES IN A SOUTHEASTERLY DIRECTION.

## 2. Planned Access Roads:

The proposed access road will be approximately 230 feet of new construction (ON-LEASE). Please refer to Topo Map "B" for the takeoff point for the new ON-LEASE road construction.

Access will be using County Road 4230 into section 31, then .40 of a mile of the proposed on-lease road to three other wells on this same lease. **If this well pad is drilled first then additional 0.40 of a mile of new construction will be needed.**

The proposed access road will be utilized to transport personnel, equipment and supplies to and from the proposed well site during drilling, completion and production operations. The road will be utilized year round.

The access road will be crowned 2% to 3%, ditched and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet right-of-way. Maximum grade of road is 5% or less. Graveling or capping the roadbed will be performed as necessary to provide a well constructed, safe road. No fence crossings, culverts, turnouts, cattle guards or major cuts and fills are required. Prior to construction or upgrading, the proposed road shall be cleared of any snow and allowed to dry completely.

Surface disturbance and vehicular traffic will be limited to the proposed location and proposed access route. Any additional area needed will be approved in advance. All construction shall be in conformance with the standards outlined in the BLM and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. 1989.

The road surface and shoulders will be kept in a safe usable condition and will be maintained in accordance with the original construction standards. All drainage ditches will be kept clear and free flowing and will be maintained according to original construction standards. The access road surface will be kept free of trash during operations. All traffic will be confined to the approved disturbed surface. Road drainage crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the road bed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided. When snow is removed from the road during the winter months, the snow shall be pushed outside of the borrow ditches and the turnouts kept clear so that snowmelt will be channeled away from the road.



3. **Location of Existing Wells within a One-Mile radius (See "Topo" Map "C" attached):**

The following wells are wells located within a one (1) mile **or greater radius** of the proposed location.

- |    |          |  |
|----|----------|--|
| a. | None:    | Water Wells:                               |
| b. | None:    | Injection Wells:                           |
| c. | Six:     | Producing Wells:                           |
|    |          | i. Rock House 11-31 NESW Sec 31-10S-23E    |
|    |          | ii. Rock House 12D-32 SW/4 Sec 32-10S-23E  |
|    |          | iii. Rock House 10-23-12-32 Sec 32-10S-23E |
|    |          | iv. Rock House 6D-32 Sec 32-10S-23E        |
|    |          | v. Rock House 10-23-32-32 Sec 32-10S-23E   |
|    |          | vi. Rock House 10-23-21-32 Sec 32-10S-23E  |
| d. | None:    | Drilling Wells:                            |
| e. | None:    | Shut-in Wells:                             |
| f. | None:    | Temporarily Abandoned Wells:               |
| g. | None:    | Disposal Wells:                            |
| h. | None:    | Abandoned Wells:                           |
| i. | None:    | Dry Holes:                                 |
| j. | None:    | Observation Wells:                         |
| k. | Various: | Pending (staked) Wells:                    |
- Enduring has approximately 20 wells permitting in Sections 31 and 32 (many directional multi-well pad locations).

4. **Location of Existing and/or Proposed Facilities:**

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank and be independent of the back cut.

All permanent (on site for six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the rocky Mountain Five State Inter-Agency Committee

All facilities will be painted within 6 months of installation. The color shall be Carlsbad Canyon (2.5Y 6/2). Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Gas Gathering Pipeline: ON-LEASE 270' BLM



OFF-LEASE      None

If the well is capable of economic production, a surface gas gathering line and related equipment shall be installed. The surface gas gathering line shall be in use year round. A total of approximately less than 270 feet of surface gas gathering pipeline shall be laid on the surface to minimize surface disturbance:

- a.      ON-LEASE approximately 270' feet, and
- b.      OFF-LEASE approximately -0-.

of 4 inch or less diameter steel, unpainted, welded gas gathering line is proposed.

The proposed pipeline will begin at the well site; and tie-in directly to a proposed surface pipeline (east) adjacent to the well pad. The meter run will be housed. The gas gathering line will be buried or anchored down from the wellhead to the meter.

Upon plugging and abandonment, the gas gathering line will be removed and the disturbed area will be re-contoured and restored as near as practical to the original condition. If necessary, re-seeding operations will be performed after completion of other reclamation operations.

## 5.      **Location and Type of Water Supply:**

Whenever practical, water will be obtained from Enduring Resources LLC Water Right Number 49-2215 or Water Right Number 49-2216 (\*See Townships of permitted Use below). If those sources are not available, a new water source shall be submitted prior to commencing operations. (These permits have one-year terms and then must be renewed)

\*Enduring Water Permits' Townships of Use:

T10S-R22E	T11S-R22E	T12S-R22E
<b><u>T10S-R23E</u></b>	T11S-R23E	T12S-R23E
T10S-R24E	T11S-R24E	T12S-R24E

Water will be hauled to the location over the roads marked on "Topo" Maps "A" and "B."

No water well is to be drilled on this lease.

## 6      **Source of Construction Materials:**

Surface and subsoil materials in the immediate area will be utilized for location and access road construction.

Any gravel will be obtained from a commercial source; however, gravel sized rock



debris associated with location and access road construction may be used as access road surfacing material.

## 7. **Methods of Handling Waste Materials:**

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit well be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, brake or allow discharge of liquids.

The reserve pit will be lined with  $\frac{1}{4}$  felt and a minimum of 16 mm plastic with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the will be disposed of in the pit.

A chemical portable toilet will be furnished with the drilling rig. The toilet will be replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Vernal Wastewater Treatment Facility in accordance with state and county regulations.

Garbage, trash and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash well be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported or disposed of in association with the drilling, completion or testing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported or disposed of in association with the drilling, completion or testing of this well.

Produced oil will be stored in an oil tank and then hauled by truck to a crude purchaser facility. Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to an approved disposal site.

## 8. **Ancillary Facilities:**



During drilling operations, approximately 20 days, the site will be a manned camp. Three or four additional trailers will be on location to serve as the crews' housing and eating facilities. These will be located on the perimeter of the pad site within the topsoil stockpiles. Refer to Sheet 4.

9. **Well Site Layout: (Refer to Sheets #2, #3, and #4)**

The attached Location Layout Diagrams described drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s) and surface material stockpiles(s).

Please see the attached diagram for rig orientation and access roads.

The top soil will be windrowed rather than piled. It will be reseeded and track walker at the time the location is constructed. Seeding will be with the determined during the onsite. (Refer to "Seed Mixture for Windrowed Top Soil Will included:" following herein.

The top soil removed from the pit area will be store separately and will not be reseeded until the pit is reclaimed.

All pits shall be fence to the following minimum standards:

- a. 39 inch net wire shall be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.
- b. The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches over the new wire. Total height of the fence shall be at least 42 inches.
- c. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- d. Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two fence posts shall be no greater than 16 feet.
- e. All wire shall be stretched by, using a stretching device, before it is attached to corner posts.
- f. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.
- g. Location size may change prior to drilling the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling, the location will be re-surveyed and a Form 9 will be submitted.

10. **Plans for Surface Reclamation:**



**Producing Location:**

- a. Immediately upon well completion **of the last well to be drilled from this pad**, the location and surrounding area will be cleared of all unused tubing, equipment, materials, trash and debris not required for production.
- b. Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 40CFR 3162.7.
- c. Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.
- d. The reserve pit and that portion of the location not needed for production **(and drilling the other directional wells)** facilities/operations will be re-contoured to the approximated natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.
- e. To prevent surface water(s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface 3 feet above surrounding round surface to allow the reclaimed pit area to drain effectively.
- f. Upon completion of back filling, leveling and re-contouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

**Dry Hole/Abandoned Location:**

- i. Abandoned well sites, roads and other disturbed areas will be restored as nearly as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions and re-establishment of vegetation as specified.
- ii. All disturbed surfaces will be re-contoured to the approximated natural contours with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. If necessary, re-seeding operations will be performed after completion of other reclamation operations.

**Seed Mixture for Windrowed Top Soil Will Included:**

Indian Rice Grass 4#/s/acre  
Crested Wheat Grass 4#/s/acre  
Needle and Thread 4#/s/acre

**Surface Ownership: Location, Access and Pipeline Route:**

Wellsite: Bureau of Land Management

Access: Bureau of Land Management

Pipeline: Bureau of Land management

**11. Other Information**



**On-site Inspection for Location, Access and Pipeline Route:**

The on-site was conducted February 9, 2006.

Attending were:

1. Doug Hammond, Enduring Resources, LLC
2. Melissa Hawk, Vernal BLM Field Office
3. Amy Torres, Vernal BLM Field Office
4. Mike Stewart, Ponderosa Construction
5. Colby Kay, Timberline Surveying

**Special Conditions of Approval:**

None for this well(s).

**Archeology:**

- a. A Cultural Resource Inventory Report is pending and to be prepared by Montgomery Archaeological Consultants.

**Paleontology:**

- a. A Paleontology Reconnaissance Report is pending and to be prepared by Intermountain Paleo-Consulting.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the Antiquities Act of June 8, 1906) are discovered, all operations which would affect such sites will be suspended and the discovery reported promptly to the surface management agency.

**13, Lessee's or Operator's Representatives:****Representatives:**

Alvin R. (Al) Arlian  
Landman – Regulatory Specialist  
Enduring Resources, LLC  
475 17<sup>th</sup> Street, Suite 1500  
Denver, Colorado 80202  
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Teme Singleton  
Vice President – Operations  
Enduring Resources, LLC  
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Denver, Colorado 80202  
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[tsingleton@enduringresources.com](mailto:tsingleton@enduringresources.com)



All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his/her/its subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

A complete copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

The operator or his/her/its contractor shall contact the BLM office at (435) 781-4400 forty-eight (48) hours prior to construction activities.

The BLM Office shall be notified upon site completion prior to moving on the drilling rig.

**Certification:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill-site and access route, that I am familiar with the conditions which presently exist, that the statements made in this plan are, to the best of my knowledge and belief, true and correct, and that the work associated with the operation proposed herein will be preformed by Enduring Resources, LLC and its contractors and subcontractors in conformity with this plan and terms and conditions with this plan and the terms and conditions under which it is approved.

Please be advised that Enduring Resources, LLC is considered to be the operator of the Rock 10-23-32-31 Well; SW/4NE/4 (BHL) Section 31, Township 10 South, Range 23 East; Lease #:76281 Uintah County, Utah; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by BLM Statewide Oil & Gas Lease Bond No. UTB000173 and State of Utah , Division of Oil, Gas & Mining Surety Bond No. RLB0008031

**ENDURING RESOURCES, LLC**



Alvin R. (Al) Arlian,  
Landman – Regulatory Specialist

May 15, 2006





**ENDURING RESOURCES**  
**Rock House 10-23-32-31**  
**NW/SE, Sec. 31, T10S, R23E**  
**Uintah County, Utah**



**Weatherford**

**SECTION DETAILS**

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	353.97	0.00	0.00	0.00	0.00	0.00	0.00	
2	2072.00	0.00	353.97	2072.00	0.00	0.00	0.00	0.00	0.00	KOP
3	2705.21	19.00	353.97	2693.67	103.44	-10.93	3.00	353.97	104.01	End Build
4	5239.02	19.00	353.97	5089.49	923.64	-97.57	0.00	0.00	928.78	Start Drop
5	6188.83	0.00	353.97	6022.00	1078.80	-113.96	2.00	180.00	1084.80	End Drop
6	8491.83	0.00	353.97	8325.00	1078.80	-113.96	0.00	353.97	1084.80	TD

**WELL DETAILS**

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Rock House 10-23-32-31	0.00	0.00	7140951.06	2238766.68	39°54'14.850N	109°22'00.690W	N/A

**FIELD DETAILS**

Uintah, Utah  
Utah Central Zone  
U.S.A.

Geodetic System: US State Plane Coordinate System 1983  
Ellipsoid: GRS 1980  
Zone: Utah, Central Zone  
Magnetic Model: igr2005

System Datum: Mean Sea Level  
Local North: True North

**SITE DETAILS**

NW/SE 31-10S-23E Pad  
Sec. 31, T10S, R23E, Uintah County, Utah  
2178 FSL & 1877 FEL

Site Centre Latitude: 39°54'14.850N  
Longitude: 109°22'00.690W

Ground Level: 5755.00  
Positional Uncertainty: 0.00

**TARGET DETAILS**

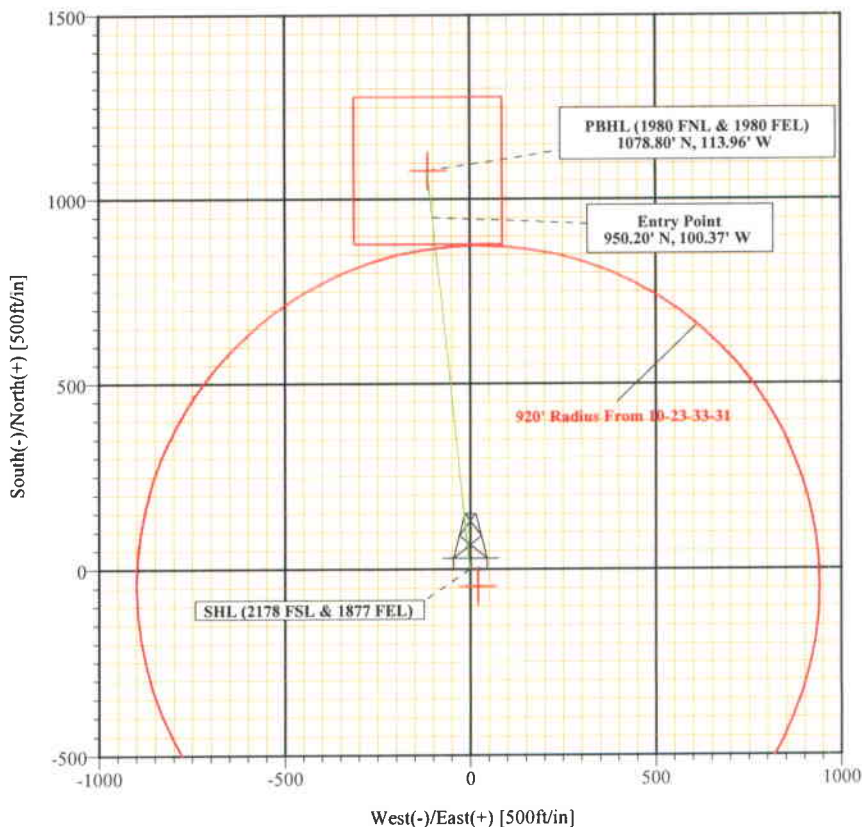
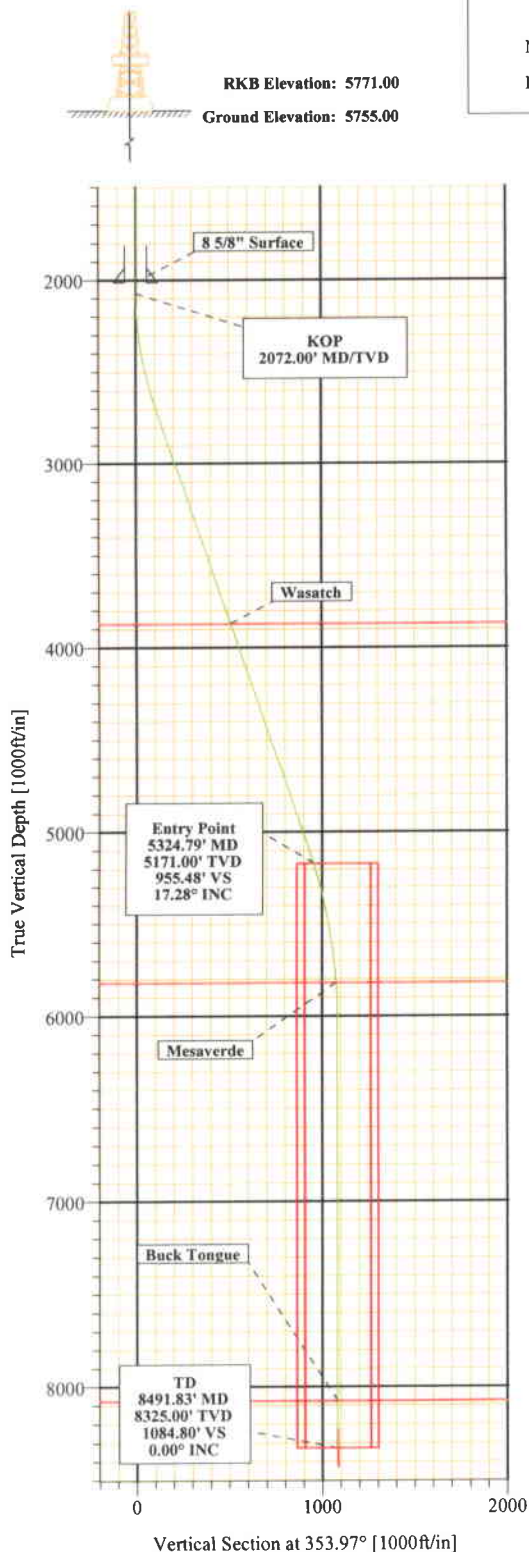
Name	TVD	+N/-S	+E/-W	Shape
10-23-32-31 Target	8325.00	1078.80	-113.96	Rectangle (400x400)

**CASING DETAILS**

No.	TVD	MD	Name	Size
1	2012.00	2012.00	8 5/8" Surface	8.625

**FORMATION TOP DETAILS**

No.	TVDPath	MDPath	Formation
1	1121.00	1121.00	Green River
2	3871.00	3950.35	Wasatch
3	5821.00	5987.67	Mesaverde
4	8076.00	8242.83	Buck Tongue





# Weatherford International

## Planning Report

<b>Company:</b> Enduring Resources		<b>Date:</b> 4/11/2006		<b>Time:</b> 15:40:09		<b>Page:</b> 1	
<b>Field:</b> Uintah, Utah		<b>Co-ordinate(NE) Reference:</b> Well: Rock House 10-23-32-31, True North					
<b>Site:</b> NW/SE 31-10S-23E Pad		<b>Vertical (TVD) Reference:</b> SITE 5771.0					
<b>Well:</b> Rock House 10-23-32-31		<b>Section (VS) Reference:</b> Well (0.00N,0.00E,353.97Azi)					
<b>Wellpath:</b> 1		<b>Plan:</b>		<b>Plan #1</b>			

<b>Field:</b> Uintah, Utah Utah Central Zone U.S.A.		<b>Map Zone:</b> Utah, Central Zone	
<b>Map System:</b> US State Plane Coordinate System 1983		<b>Coordinate System:</b> Well Centre	
<b>Geo Datum:</b> GRS 1980		<b>Geomagnetic Model:</b> igrf2005	
<b>Sys Datum:</b> Mean Sea Level			

<b>Site:</b> NW/SE 31-10S-23E Pad Sec. 31, T10S, R23E, Uintah County, Utah 2178 FSL & 1877 FEL			
<b>Site Position:</b>	<b>Northing:</b> 7140951.06 ft	<b>Latitude:</b> 39 54 14.850 N	
<b>From:</b> Geographic	<b>Easting:</b> 2238766.68 ft	<b>Longitude:</b> 109 22 0.690 W	
<b>Position Uncertainty:</b> 0.00 ft		<b>North Reference:</b> True	
<b>Ground Level:</b> 5755.00 ft			

<b>Well:</b> Rock House 10-23-32-31		<b>Slot Name:</b>	
<b>Well Position:</b> +N/-S 0.00 ft	<b>Northing:</b> 7140951.06 ft	<b>Latitude:</b> 39 54 14.850 N	
+E/-W 0.00 ft	<b>Easting:</b> 2238766.68 ft	<b>Longitude:</b> 109 22 0.690 W	
<b>Position Uncertainty:</b> 0.00 ft			

<b>Wellpath:</b> 1		<b>Drilled From:</b> Surface	
<b>Current Datum:</b> SITE	<b>Height</b> 5771.00 ft	<b>Tie-on Depth:</b> 0.00 ft	
<b>Magnetic Data:</b> 4/10/2006		<b>Above System Datum:</b> Mean Sea Level	
<b>Field Strength:</b> 52867 nT		<b>Declination:</b> 11.66 deg	
<b>Vertical Section:</b> Depth From (TVD)	+N/-S	<b>Mag Dip Angle:</b> 65.95 deg	
ft	ft	<b>+E/-W</b>	<b>Direction</b>
		ft	deg
0.00	0.00	0.00	353.97

<b>Plan:</b> Plan #1		<b>Date Composed:</b> 4/10/2006	
<b>Principal:</b> Yes		<b>Version:</b> 1	
		<b>Tied-to:</b> From Surface	

Plan Section Information										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	353.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2072.00	0.00	353.97	2072.00	0.00	0.00	0.00	0.00	0.00	0.00	
2705.21	19.00	353.97	2693.67	103.44	-10.93	3.00	3.00	0.00	353.97	
5239.02	19.00	353.97	5089.49	923.64	-97.57	0.00	0.00	0.00	0.00	
6188.83	0.00	353.97	6022.00	1078.80	-113.96	2.00	-2.00	0.00	180.00	
8491.83	0.00	353.97	8325.00	1078.80	-113.96	0.00	0.00	0.00	353.97	10-23-32-31 Target

Section 1 : Start Hold										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
0.00	0.00	353.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000.00	0.00	353.97	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	353.97
2012.00	0.00	353.97	2012.00	0.00	0.00	0.00	0.00	0.00	0.00	353.97
2072.00	0.00	353.97	2072.00	0.00	0.00	0.00	0.00	0.00	0.00	353.97

Section 2 : Start Build 3.00										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2100.00	0.84	353.97	2100.00	0.20	-0.02	0.21	3.00	3.00	0.00	0.00
2200.00	3.84	353.97	2199.90	4.26	-0.45	4.29	3.00	3.00	0.00	0.00
2300.00	6.84	353.97	2299.46	13.52	-1.43	13.59	3.00	3.00	0.00	0.00
2400.00	9.84	353.97	2398.39	27.94	-2.95	28.10	3.00	3.00	0.00	0.00
2500.00	12.84	353.97	2496.43	47.49	-5.02	47.76	3.00	3.00	0.00	0.00
2600.00	15.84	353.97	2593.30	72.12	-7.62	72.52	3.00	3.00	0.00	0.00
2700.00	18.84	353.97	2688.74	101.76	-10.75	102.32	3.00	3.00	0.00	0.00
2705.21	19.00	353.97	2693.67	103.44	-10.93	104.01	3.00	3.00	0.00	0.00



# Weatherford International

## Planning Report

**Company:** Enduring Resources  
**Field:** Uintah, Utah  
**Site:** NW/SE 31-10S-23E Pad  
**Well:** Rock House 10-23-32-31  
**Wellpath:** 1

**Date:** 4/11/2006 **Time:** 15:40:09 **Page:** 2  
**Co-ordinate(NE) Reference:** Well: Rock House 10-23-32-31, True North  
**Vertical (TVD) Reference:** SITE 5771.0  
**Section (VS) Reference:** Well (0.00N,0.00E,353.97Azi)  
**Plan:** Plan #1

### Section 3 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2800.00	19.00	353.97	2783.30	134.12	-14.17	134.87	0.00	0.00	0.00	0.00
2900.00	19.00	353.97	2877.85	166.49	-17.59	167.42	0.00	0.00	0.00	0.00
3000.00	19.00	353.97	2972.41	198.86	-21.01	199.97	0.00	0.00	0.00	0.00
3100.00	19.00	353.97	3066.96	231.23	-24.43	232.52	0.00	0.00	0.00	0.00
3200.00	19.00	353.97	3161.52	263.60	-27.85	265.07	0.00	0.00	0.00	0.00
3300.00	19.00	353.97	3256.07	295.97	-31.26	297.62	0.00	0.00	0.00	0.00
3400.00	19.00	353.97	3350.62	328.34	-34.68	330.17	0.00	0.00	0.00	0.00
3500.00	19.00	353.97	3445.18	360.71	-38.10	362.72	0.00	0.00	0.00	0.00
3600.00	19.00	353.97	3539.73	393.08	-41.52	395.27	0.00	0.00	0.00	0.00
3700.00	19.00	353.97	3634.29	425.45	-44.94	427.82	0.00	0.00	0.00	0.00
3800.00	19.00	353.97	3728.84	457.83	-48.36	460.37	0.00	0.00	0.00	0.00
3900.00	19.00	353.97	3823.39	490.20	-51.78	492.92	0.00	0.00	0.00	0.00
3950.35	19.00	353.97	3871.00	506.49	-53.50	509.31	0.00	0.00	0.00	0.00
4000.00	19.00	353.97	3917.95	522.57	-55.20	525.47	0.00	0.00	0.00	0.00
4100.00	19.00	353.97	4012.50	554.94	-58.62	558.02	0.00	0.00	0.00	0.00
4200.00	19.00	353.97	4107.06	587.31	-62.04	590.58	0.00	0.00	0.00	0.00
4300.00	19.00	353.97	4201.61	619.68	-65.46	623.13	0.00	0.00	0.00	0.00
4400.00	19.00	353.97	4296.16	652.05	-68.88	655.68	0.00	0.00	0.00	0.00
4500.00	19.00	353.97	4390.72	684.42	-72.30	688.23	0.00	0.00	0.00	0.00
4600.00	19.00	353.97	4485.27	716.79	-75.72	720.78	0.00	0.00	0.00	0.00
4700.00	19.00	353.97	4579.83	749.16	-79.14	753.33	0.00	0.00	0.00	0.00
4800.00	19.00	353.97	4674.38	781.53	-82.56	785.88	0.00	0.00	0.00	0.00
4900.00	19.00	353.97	4768.93	813.90	-85.98	818.43	0.00	0.00	0.00	0.00
5000.00	19.00	353.97	4863.49	846.27	-89.39	850.98	0.00	0.00	0.00	0.00
5100.00	19.00	353.97	4958.04	878.64	-92.81	883.53	0.00	0.00	0.00	0.00
5200.00	19.00	353.97	5052.60	911.01	-96.23	916.08	0.00	0.00	0.00	0.00
5239.02	19.00	353.97	5089.49	923.64	-97.57	928.78	0.00	0.00	0.00	0.00

### Section 4 : Start Drop -2.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5300.00	17.78	353.97	5147.36	942.77	-99.59	948.02	2.00	-2.00	0.00	180.00
5324.79	17.28	353.97	5171.00	950.20	-100.37	955.48	2.00	-2.00	0.00	180.00
5400.00	15.78	353.97	5243.10	971.47	-102.62	976.88	2.00	-2.00	0.00	-180.00
5500.00	13.78	353.97	5339.78	996.84	-105.30	1002.38	2.00	-2.00	0.00	180.00
5600.00	11.78	353.97	5437.30	1018.83	-107.62	1024.50	2.00	-2.00	0.00	180.00
5700.00	9.78	353.97	5535.53	1037.42	-109.59	1043.19	2.00	-2.00	0.00	180.00
5800.00	7.78	353.97	5634.36	1052.60	-111.19	1058.45	2.00	-2.00	0.00	180.00
5900.00	5.78	353.97	5733.65	1064.33	-112.43	1070.25	2.00	-2.00	0.00	180.00
5987.67	4.02	353.97	5821.00	1071.78	-113.22	1077.74	2.00	-2.00	0.00	-180.00
6000.00	3.78	353.97	5833.30	1072.61	-113.30	1078.58	2.00	-2.00	0.00	180.00
6100.00	1.78	353.97	5933.18	1077.43	-113.81	1083.42	2.00	-2.00	0.00	180.00
6188.83	0.00	353.97	6022.00	1078.80	-113.96	1084.80	2.00	-2.00	0.00	-180.00

### Section 5 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
6200.00	0.00	353.97	6033.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	353.97
6300.00	0.00	353.97	6133.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	353.97
6400.00	0.00	353.97	6233.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	353.97
6500.00	0.00	353.97	6333.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	353.97
6600.00	0.00	353.97	6433.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	353.97
6700.00	0.00	353.97	6533.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	353.97
6800.00	0.00	353.97	6633.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	353.97
6900.00	0.00	353.97	6733.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	353.97
7000.00	0.00	353.97	6833.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	353.97
7100.00	0.00	353.97	6933.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	353.97
7200.00	0.00	353.97	7033.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	353.97
7300.00	0.00	353.97	7133.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	353.97
7400.00	0.00	353.97	7233.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	353.97
7500.00	0.00	353.97	7333.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	353.97
7600.00	0.00	353.97	7433.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	353.97



# Weatherford International

## Planning Report

**Company:** Enduring Resources  
**Field:** Uintah, Utah  
**Site:** NW/SE 31-10S-23E Pad  
**Well:** Rock House 10-23-32-31  
**Wellpath:** 1

**Date:** 4/11/2006 **Time:** 15:40:09 **Page:** 3  
**Co-ordinate(NE) Reference:** Well: Rock House 10-23-32-31, True North  
**Vertical (TVD) Reference:** SITE 5771.0  
**Section (VS) Reference:** Well (0.00N,0.00E,353.97Azi)  
**Plan:** Plan #1

**Section 5 : Start Hold**

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
7700.00	0.00	353.97	7533.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	353.97
7800.00	0.00	353.97	7633.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	353.97
7900.00	0.00	353.97	7733.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	353.97
8000.00	0.00	353.97	7833.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	353.97
8100.00	0.00	353.97	7933.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	353.97
8200.00	0.00	353.97	8033.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	353.97
8242.83	0.00	353.97	8076.00	1078.80	-113.96	1084.80	0.00	0.00	0.00	353.97
8300.00	0.00	353.97	8133.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	353.97
8400.00	0.00	353.97	8233.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	353.97
8491.83	0.00	353.97	8325.00	1078.80	-113.96	1084.80	0.00	0.00	0.00	353.97

**Survey**

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
2000.00	0.00	353.97	2000.00	0.00	0.00	0.00	0.00	0.00	0.00	MWD
2012.00	0.00	353.97	2012.00	0.00	0.00	0.00	0.00	0.00	0.00	8 5/8" Surface
2072.00	0.00	353.97	2072.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP
2100.00	0.84	353.97	2100.00	0.20	-0.02	0.21	3.00	3.00	0.00	MWD
2200.00	3.84	353.97	2199.90	4.26	-0.45	4.29	3.00	3.00	0.00	MWD
2300.00	6.84	353.97	2299.46	13.52	-1.43	13.59	3.00	3.00	0.00	MWD
2400.00	9.84	353.97	2398.39	27.94	-2.95	28.10	3.00	3.00	0.00	MWD
2500.00	12.84	353.97	2496.43	47.49	-5.02	47.76	3.00	3.00	0.00	MWD
2600.00	15.84	353.97	2593.30	72.12	-7.62	72.52	3.00	3.00	0.00	MWD
2700.00	18.84	353.97	2688.74	101.76	-10.75	102.32	3.00	3.00	0.00	MWD
2705.21	19.00	353.97	2693.67	103.44	-10.93	104.01	3.00	3.00	0.00	End Build
2800.00	19.00	353.97	2783.30	134.12	-14.17	134.87	0.00	0.00	0.00	MWD
2900.00	19.00	353.97	2877.85	166.49	-17.59	167.42	0.00	0.00	0.00	MWD
3000.00	19.00	353.97	2972.41	198.86	-21.01	199.97	0.00	0.00	0.00	MWD
3100.00	19.00	353.97	3066.96	231.23	-24.43	232.52	0.00	0.00	0.00	MWD
3200.00	19.00	353.97	3161.52	263.60	-27.85	265.07	0.00	0.00	0.00	MWD
3300.00	19.00	353.97	3256.07	295.97	-31.26	297.62	0.00	0.00	0.00	MWD
3400.00	19.00	353.97	3350.62	328.34	-34.68	330.17	0.00	0.00	0.00	MWD
3500.00	19.00	353.97	3445.18	360.71	-38.10	362.72	0.00	0.00	0.00	MWD
3600.00	19.00	353.97	3539.73	393.08	-41.52	395.27	0.00	0.00	0.00	MWD
3700.00	19.00	353.97	3634.29	425.45	-44.94	427.82	0.00	0.00	0.00	MWD
3800.00	19.00	353.97	3728.84	457.83	-48.36	460.37	0.00	0.00	0.00	MWD
3900.00	19.00	353.97	3823.39	490.20	-51.78	492.92	0.00	0.00	0.00	MWD
3950.35	19.00	353.97	3871.00	506.49	-53.50	509.31	0.00	0.00	0.00	Wasatch
4000.00	19.00	353.97	3917.95	522.57	-55.20	525.47	0.00	0.00	0.00	MWD
4100.00	19.00	353.97	4012.50	554.94	-58.62	558.02	0.00	0.00	0.00	MWD
4200.00	19.00	353.97	4107.06	587.31	-62.04	590.58	0.00	0.00	0.00	MWD
4300.00	19.00	353.97	4201.61	619.68	-65.46	623.13	0.00	0.00	0.00	MWD
4400.00	19.00	353.97	4296.16	652.05	-68.88	655.68	0.00	0.00	0.00	MWD
4500.00	19.00	353.97	4390.72	684.42	-72.30	688.23	0.00	0.00	0.00	MWD
4600.00	19.00	353.97	4485.27	716.79	-75.72	720.78	0.00	0.00	0.00	MWD
4700.00	19.00	353.97	4579.83	749.16	-79.14	753.33	0.00	0.00	0.00	MWD
4800.00	19.00	353.97	4674.38	781.53	-82.56	785.88	0.00	0.00	0.00	MWD
4900.00	19.00	353.97	4768.93	813.90	-85.98	818.43	0.00	0.00	0.00	MWD
5000.00	19.00	353.97	4863.49	846.27	-89.39	850.98	0.00	0.00	0.00	MWD
5100.00	19.00	353.97	4958.04	878.64	-92.81	883.53	0.00	0.00	0.00	MWD
5200.00	19.00	353.97	5052.60	911.01	-96.23	916.08	0.00	0.00	0.00	MWD
5239.02	19.00	353.97	5089.49	923.64	-97.57	928.78	0.00	0.00	0.00	Start Drop
5300.00	17.78	353.97	5147.36	942.77	-99.59	948.02	2.00	-2.00	0.00	MWD
5324.79	17.28	353.97	5171.00	950.20	-100.37	955.48	2.00	-2.00	0.00	Entry Point
5400.00	15.78	353.97	5243.10	971.47	-102.62	976.88	2.00	-2.00	0.00	MWD



# Weatherford International

## Planning Report

<b>Company:</b> Enduring Resources <b>Field:</b> Uintah, Utah <b>Site:</b> NW/SE 31-10S-23E Pad <b>Well:</b> Rock House 10-23-32-31 <b>Wellpath:</b> 1	<b>Date:</b> 4/11/2006 <b>Co-ordinate(NE) Reference:</b> Well: Rock House 10-23-32-31, True North <b>Vertical (TVD) Reference:</b> SITE 5771.0 <b>Section (VS) Reference:</b> Well (0.00N,0.00E,353.97Azi) <b>Plan:</b> Plan #1
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### Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
5500.00	13.78	353.97	5339.78	996.84	-105.30	1002.38	2.00	-2.00	0.00	MWD
5600.00	11.78	353.97	5437.30	1018.83	-107.62	1024.50	2.00	-2.00	0.00	MWD
5700.00	9.78	353.97	5535.53	1037.42	-109.59	1043.19	2.00	-2.00	0.00	MWD
5800.00	7.78	353.97	5634.36	1052.60	-111.19	1058.45	2.00	-2.00	0.00	MWD
5900.00	5.78	353.97	5733.65	1064.33	-112.43	1070.25	2.00	-2.00	0.00	MWD
5987.67	4.02	353.97	5821.00	1071.78	-113.22	1077.74	2.00	-2.00	0.00	Mesaverde
6000.00	3.78	353.97	5833.30	1072.61	-113.30	1078.58	2.00	-2.00	0.00	MWD
6100.00	1.78	353.97	5933.18	1077.43	-113.81	1083.42	2.00	-2.00	0.00	MWD
6188.83	0.00	353.97	6022.00	1078.80	-113.96	1084.80	2.00	-2.00	0.00	End Drop
6200.00	0.00	353.97	6033.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	MWD
6300.00	0.00	353.97	6133.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	MWD
6400.00	0.00	353.97	6233.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	MWD
6500.00	0.00	353.97	6333.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	MWD
6600.00	0.00	353.97	6433.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	MWD
6700.00	0.00	353.97	6533.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	MWD
6800.00	0.00	353.97	6633.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	MWD
6900.00	0.00	353.97	6733.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	MWD
7000.00	0.00	353.97	6833.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	MWD
7100.00	0.00	353.97	6933.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	MWD
7200.00	0.00	353.97	7033.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	MWD
7300.00	0.00	353.97	7133.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	MWD
7400.00	0.00	353.97	7233.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	MWD
7500.00	0.00	353.97	7333.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	MWD
7600.00	0.00	353.97	7433.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	MWD
7700.00	0.00	353.97	7533.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	MWD
7800.00	0.00	353.97	7633.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	MWD
7900.00	0.00	353.97	7733.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	MWD
8000.00	0.00	353.97	7833.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	MWD
8100.00	0.00	353.97	7933.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	MWD
8200.00	0.00	353.97	8033.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	MWD
8242.83	0.00	353.97	8076.00	1078.80	-113.96	1084.80	0.00	0.00	0.00	Buck Tongue
8300.00	0.00	353.97	8133.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	MWD
8400.00	0.00	353.97	8233.17	1078.80	-113.96	1084.80	0.00	0.00	0.00	MWD
8491.83	0.00	353.97	8325.00	1078.80	-113.96	1084.80	0.00	0.00	0.00	TD

### Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude → Deg Min Sec	← Longitude → Deg Min Sec
10-23-32-31 Target		8325.00	1078.80	-113.96	7142026.83	2238627.03	39 54 25.512 N	109 22 2.152 W
-Rectangle (400x400)								
-Plan hit target								

### Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
2012.00	2012.00	8.625	12.250	8 5/8" Surface

### Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
1121.00	1121.00	Green River		0.00	0.00
3950.35	3871.00	Wasatch		0.00	0.00
5987.67	5821.00	Mesaverde		0.00	0.00



# Weatherford International

## Planning Report

<b>Company:</b> Enduring Resources <b>Field:</b> Uintah, Utah <b>Site:</b> NW/SE 31-10S-23E Pad <b>Well:</b> Rock House 10-23-32-31 <b>Wellpath:</b> 1	<b>Date:</b> 4/11/2006 <b>Co-ordinate(NE) Reference:</b> Well: Rock House 10-23-32-31, True North <b>Vertical (TVD) Reference:</b> SITE 5771.0 <b>Section (VS) Reference:</b> Well (0.00N,0.00E,353.97Azi) <b>Plan:</b> Plan #1	<b>Time:</b> 15:40:09 <b>Page:</b> 5
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### Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
8242.83	8076.00	Buck Tongue		0.00	0.00

### Annotation

MD ft	TVD ft	
2072.00	2072.00	SHL (2178 FSL & 1877 FEL)
2705.21	2693.67	KOP
5239.02	5089.49	End Build
5324.79	5171.00	Start Drop
6188.83	6022.00	Entry Point
8491.83	8325.00	End Drop
		TD



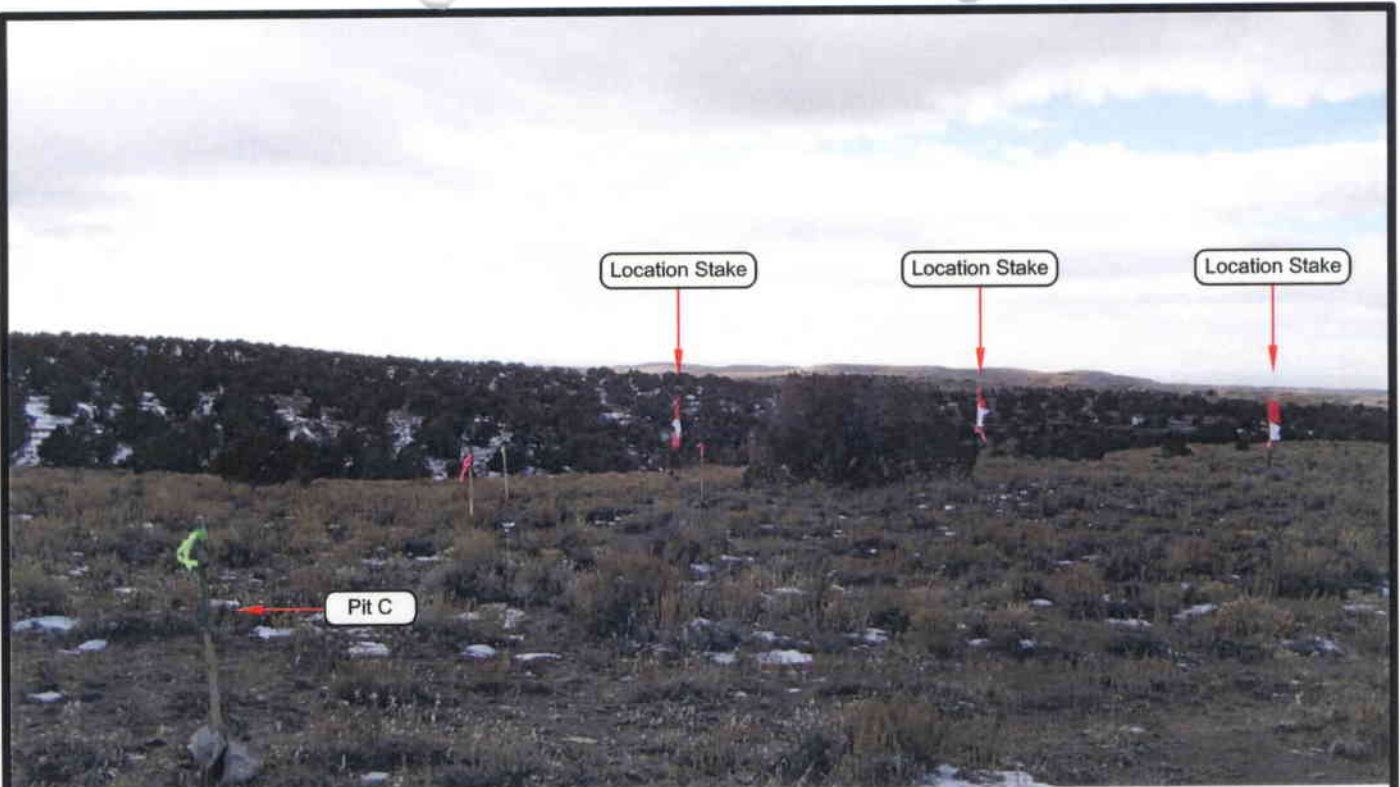


PHOTO VIEW: FROM PIT C TO LOCATION STAKES

CAMERA ANGLE: SOUTHWESTERLY



PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: NORTHWESTERLY

## ENDURING RESOURCES

Rock House 10-23-33-31, Rock House 10-23-34-31,  
Rock House 10-23-43-31 & Rock House 10-23-32-31  
SECTION 31, T10S, R23E, S1B&M.  
2133' FSL & 1857' FEL

## LOCATION PHOTOS

TAKEN BY: K.R.K.

DRAWN BY: B.J.Z.

DATE TAKEN: 12-13-05

DATE DRAWN: 12-15-05

REVISED:

Timberline Land Surveying, Inc.

38 West 100 North Vernal, Utah 84078  
(435) 789-1365

SHEET  
1  
OF 11



# ENDURING RESOURCES

## WELL PAD INTERFERENCE PLAT

ROCK HOUSE 10-23-33-31, ROCK HOUSE 10-23-43-31,  
ROCK HOUSE 10-23-34-31 & ROCK HOUSE 10-23-32-31

### SURFACE POSITION FOOTAGES:

ROCK HOUSE 10-23-43-31  
2110' FSL & 1847' FEL

ROCK HOUSE 10-23-33-31  
2133' FSL & 1857' FEL

ROCK HOUSE 10-23-34-31  
2156' FSL & 1867' FEL

ROCK HOUSE 10-23-32-31  
2178' FSL & 1877' FEL

### BOTTOM HOLE FOOTAGES

ROCK HOUSE 10-23-43-31  
1980' FSL & 660' FEL

ROCK HOUSE 10-23-33-31  
VERTICAL

ROCK HOUSE 10-23-34-31  
660' FSL & 1980' FEL

ROCK HOUSE 10-23-32-31  
1980' FSL & 1980' FEL

BASIS OF BEARINGS IS THE WEST LINE  
OF THE SW 1/4 OF SECTION 31, T10S,  
R23E, S.L.B.&M. WHICH IS TAKEN  
FROM GLOBAL POSITIONING SATELLITE  
OBSERVATIONS TO BEARS N00°05'17"W.

BASIS OF ELEVATION IS TRIANGULATION  
STATION JEK 19 ET 1966 WHICH IS  
LOCATED NEAR THE SOUTH 1/4  
CORNER OF SECTION 8, T11S, R23E,  
S.L.B.&M. THE ELEVATION OF THIS  
TRIANGULATION STATION IS SHOWN ON  
THE ARCHY BENCH SE 7.5 MIN.  
QUADRANGLE AS BEING 6054'.



ROCK HOUSE 10-23-32-31

ROCK HOUSE 10-23-34-31

ROCK HOUSE 10-23-33-31

ROCK HOUSE 10-23-43-31

Vertical Well

N06°02'11"W - 1084.80'  
(To Bottom Hole)

S83°55'33"E - 1195.05'  
(To Bottom Hole)

S24°35'44"E

S03°36'28"W - 1498.96'  
(To Bottom Hole)

PROPOSED GRADED GROUND  
ELEVATION OF PAD IS 5755.0'

### LATITUDE & LONGITUDE

Surface Position - (NAD 83) Autonomous

WELL	N. LATITUDE	W. LONGITUDE
43-31	39°54'14.18"	109°22'00.29"
33-31	39°54'14.40"	109°22'00.43"
34-31	39°54'14.63"	109°22'00.56"
32-31	39°54'14.85"	109°22'00.69"

### LATITUDE & LONGITUDE

Bottom Hole - (NAD 83) Autonomous

WELL	N. LATITUDE	W. LONGITUDE
43-31	39°54'12.92"	109°21'45.05"
33-31	VERTICAL	
34-31	39°53'59.85"	109°22'01.77"
32-31	39°54'25.51"	109°22'02.16"

### RELATIVE COORDINATES

From Surface Position to Bottom Hole

WELL	NORTH	EAST
43-31	-126'	1,188'
33-31	VERTICAL	
34-31	-1,496'	-94'
32-31	1,079'	-114'

Section 31, T10S, R23E, S.L.B.&M.

Qtr/Qtr Location: NW SE

Footage Location: 2133' FSL & 1857' FEL

Date Surveyed:  
12-13-05

Date Drawn:  
12-15-05

Date Last Revision:

Surveyed By: K.R.K.

Drawn By: M.W.W.

Scale: 1" = 60'

**Timberline**  
Land Surveying, Inc.

(435) 789-1365

38 WEST 100 NORTH VERNAL, UTAH 84078

SHEET

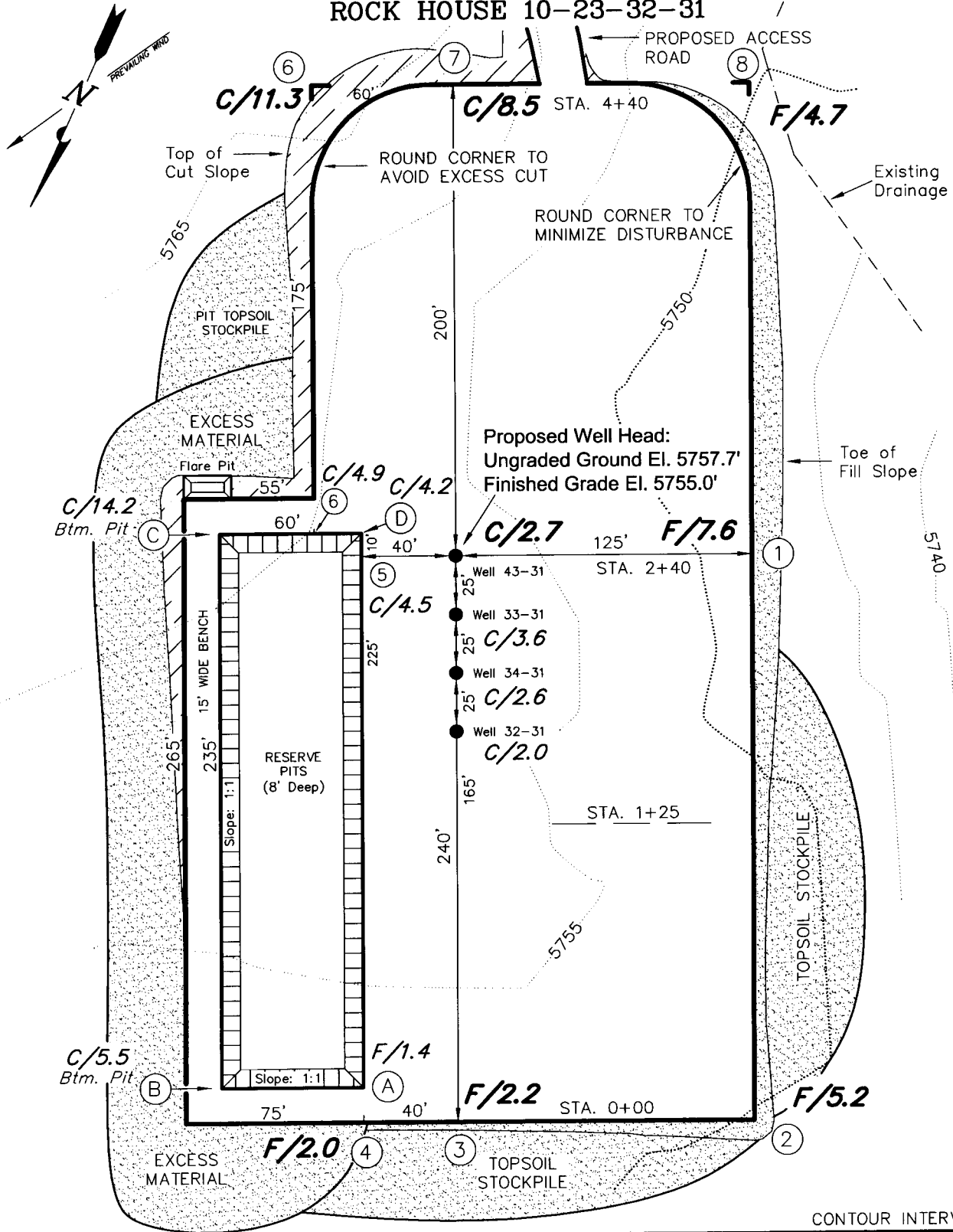
3

OF 11



# ENDURING RESOURCES

CUT SHEET - ROCK HOUSE 10-23-33-31,  
ROCK HOUSE 10-23-43-31, ROCK HOUSE 10-23-34-31 &  
ROCK HOUSE 10-23-32-31



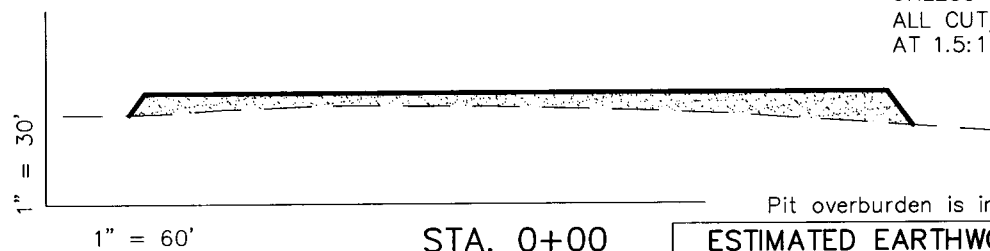
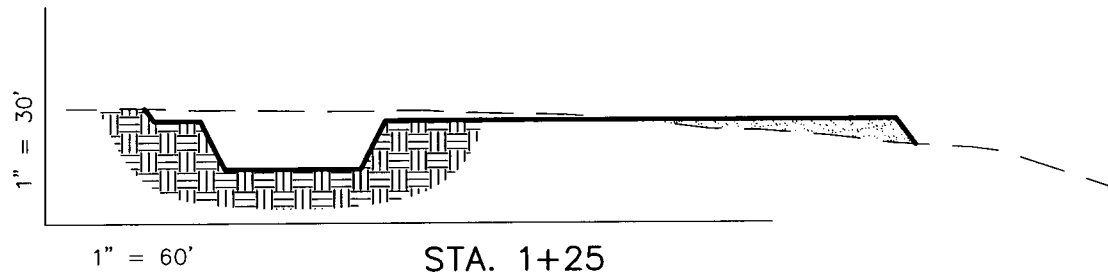
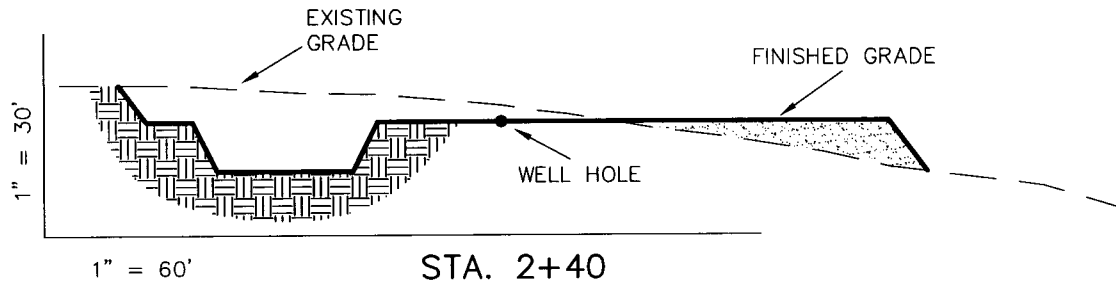
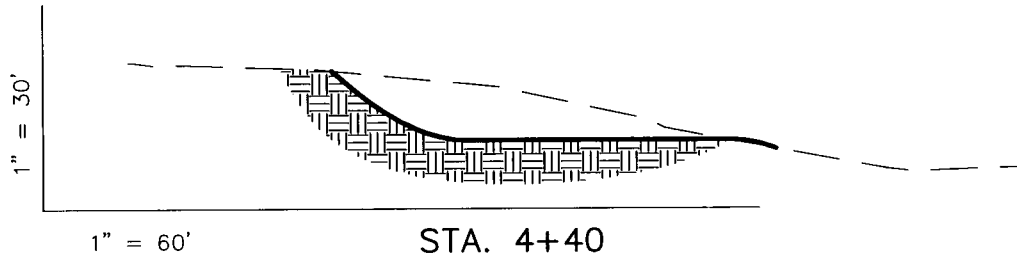
Section 31, T10S, R23E S.L.B.&M.		Qtr/Qtr Location: NW SE	Footage Location: 2133' FSL & 1857' FEL
Date Surveyed: 12-13-05	Date Drawn: 12-15-05	Date Last Revision:	<b>Timberline</b> (435) 789-1365 <i>Land Surveying, Inc.</i> 38 WEST 100 NORTH VERNAL, UTAH 84078
Surveyed By: K.R.K.	Drawn By: M.W.W.	Scale: 1" = 60'	

SHEET  
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OF 11



# ENDURING RESOURCES

CROSS SECTIONS - ROCK HOUSE 10-23-33-31,  
ROCK HOUSE 10-23-43-31, ROCK HOUSE 10-23-34-31  
& ROCK HOUSE 10-23-32-31



NOTE:  
UNLESS OTHERWISE NOTED  
ALL CUT/FILL SLOPES ARE  
AT 1.5:1

Pit overburden is included in pad cut.

## REFERENCE POINTS

290' NORTHWESTERLY = 5751.3'  
340' NORTHWESTERLY = 5749.5'  
175' SOUTHWESTERLY = 5744.2'  
225' SOUTHWESTERLY = 5736.6'

## ESTIMATED EARTHWORK QUANTITIES (No shrink or swell adjustments have been used) (Expressed in Cubic Yards)

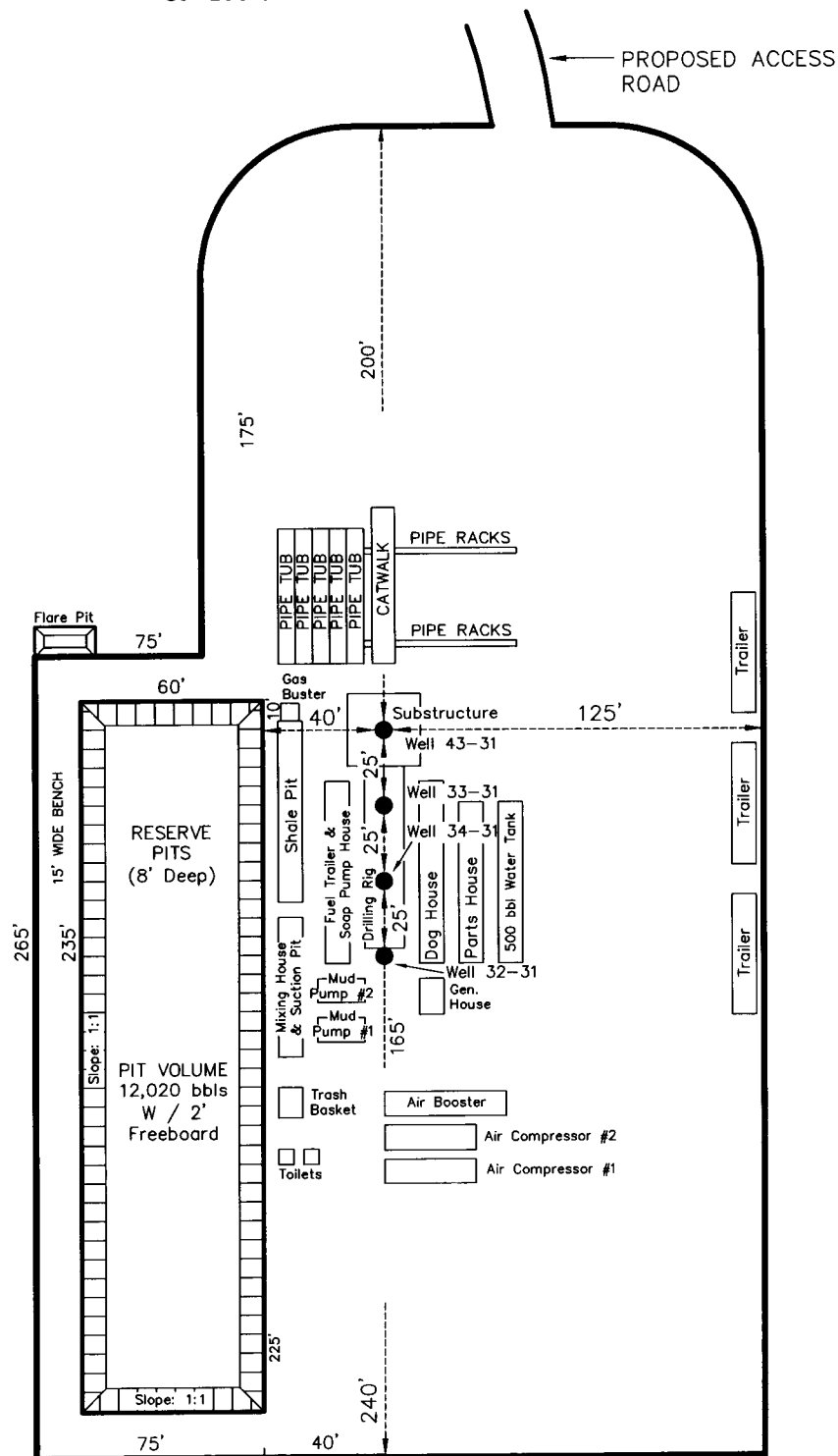
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	4,610	6,260	Topsoil is not included in Pad Cut	-1,650
PIT	3,300	0		3,300
TOTALS	7,910	6,260	1,680	1,650

Excess Material after Pit Rehabilitation = 0 Cu. Yds.

Section 31, T10S, R23E S.L.B.&M.		Qtr/Qtr Location: NW SE	Footage Location: 2133' FSL & 1857' FEL
Date Surveyed: 12-13-05	Date Drawn: 12-15-05	Date Last Revision:	<b>Timberline</b> (435) 789-1365 <i>Land Surveying, Inc.</i>
Surveyed By: K.R.K.	Drawn By: M.W.W.	Scale: 1" = 60'	38 WEST 100 NORTH VERNAL, UTAH 84078
			<b>SHEET</b> <b>5</b> <b>OF 11</b>



TYPICAL RIG LAYOUT - ROCK HOUSE 10-23-33-31,  
ROCK HOUSE 10-23-43-31, ROCK HOUSE 10-23-34-31  
& ROCK HOUSE 10-23-32-31

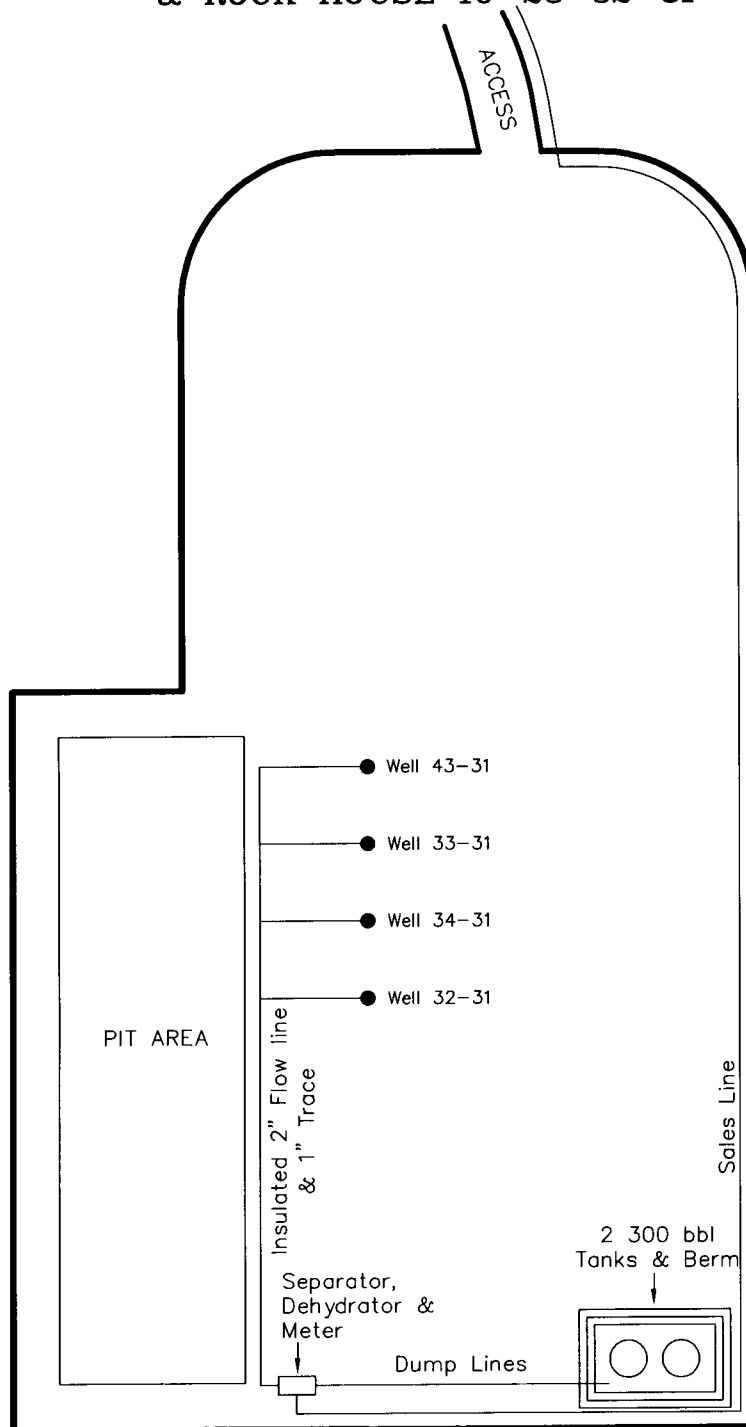


Section 31, T10S, R23E S.L.B.&M.		Qtr/Qtr Location: NW SE		Footage Location: 2133' FSL & 1857' FEL	
Date Surveyed: 12-13-05	Date Drawn: 12-15-05	Date Last Revision:	<b>Timberline</b> (435) 789-1365 <i>Land Surveying, Inc.</i> 38 WEST 100 NORTH VERNAL, UTAH 84078		SHEET <b>6</b> OF 11
Surveyed By: K.R.K.	Drawn By: M.W.W.	Scale: 1" = 60'			



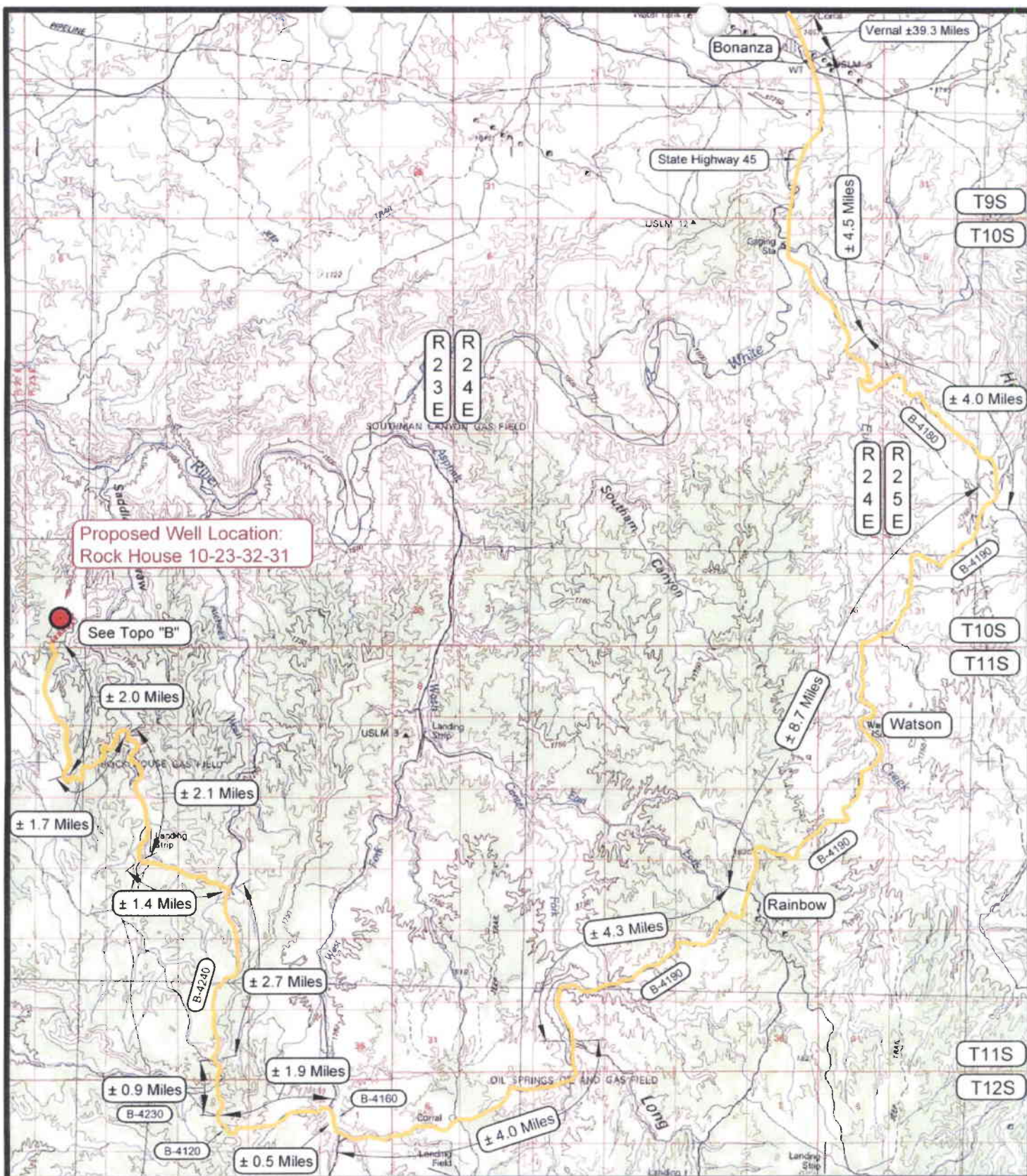
# ENDURING RESOURCES

TYPICAL PRODUCTION LAYOUT – ROCK HOUSE 10-23-33-31,  
ROCK HOUSE 10-23-43-31, ROCK HOUSE 10-23-34-31  
& ROCK HOUSE 10-23-32-31



Section 31, T10S, R23E S.L.B.&M.		Qtr/Qtr Location: NW SE	Footage Location: 2133' FSL & 1857' FEL
Date Surveyed: 12-13-05	Date Drawn: 12-15-05	Date Last Revision:	<b>Timberline</b> (435) 789-1365 <i>Land Surveying, Inc.</i>
Surveyed By: K.R.K.	Drawn By: M.W.W.	Scale: 1" = 60'	<b>SHEET</b> <b>7</b> <b>OF 11</b>
		38 WEST 100 NORTH VERNAL, UTAH 84078	





#### LEGEND

- = PROPOSED WELL LOCATION
- = EXISTING ROAD
- = EXISTING ROAD (TO BE IMPROVED)
- = PROPOSED ACCESS ROAD
- B-5450 = COUNTY ROAD CLASS & NUMBER

#### TOPOGRAPHIC MAP "A"

SCALE: 1"=10,000'

DRAWN BY: BJZ

DATE SURVEYED: 12-13-05

DATE DRAWN: 12-15-05

REVISED: 04-27-06 M.W.W.

## ENDURING RESOURCES

### Rock House 10-23-32-31

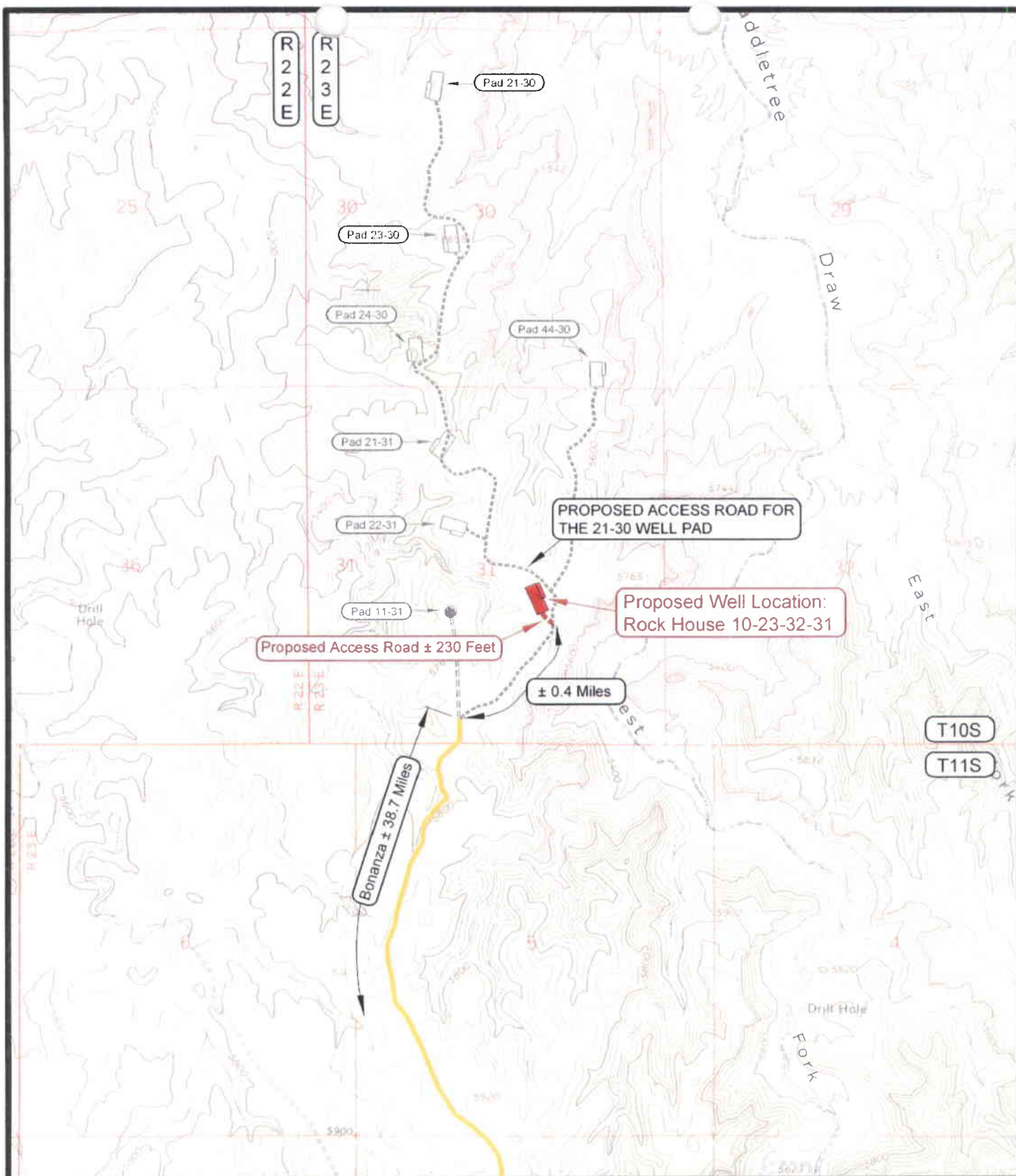
Other wells on this pad: Rock House 10-23-33-31,  
Rock House 10-23-43-31 & Rock House 10-23-34-31  
SECTION 30, T10S, R23E, S.L.B.&M.

Timberline Land Surveying, Inc.

38 West 100 North Vernal, Utah 84076  
(435) 789-1365

SHEET  
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OF 11





#### LEGEND

- PROPOSED ACCESS ROAD
- = SUBJECT WELL
- = OTHER WELLS
- = EXISTING ROAD
- = EXISTING ROAD (TO BE IMPROVED)
- (B-5460) = COUNTY ROAD CLASS & NUMBER
- = LEASE LINE AND / OR PROPERTY LINE

#### TOPOGRAPHIC MAP "B"

SCALE: 1" = 2000'

DRAWN BY: BJZ

DATE SURVEYED: 12-13-05

DATE DRAWN: 12-15-05

REVISED: 04-27-06 M.W.W.

#### ENDURING RESOURCES

##### Rock House 10-23-32-31

Other wells on this pad: Rock House 10-23-33-31,  
Rock House 10-23-43-31 & Rock House 10-23-34-31  
SECTION 30, T10S, R23E, S.L.B.&M.

#### Timberline Land Surveying, Inc.

38 West 100 North Vernal, Utah 84078  
(435) 789-1365

SHEET

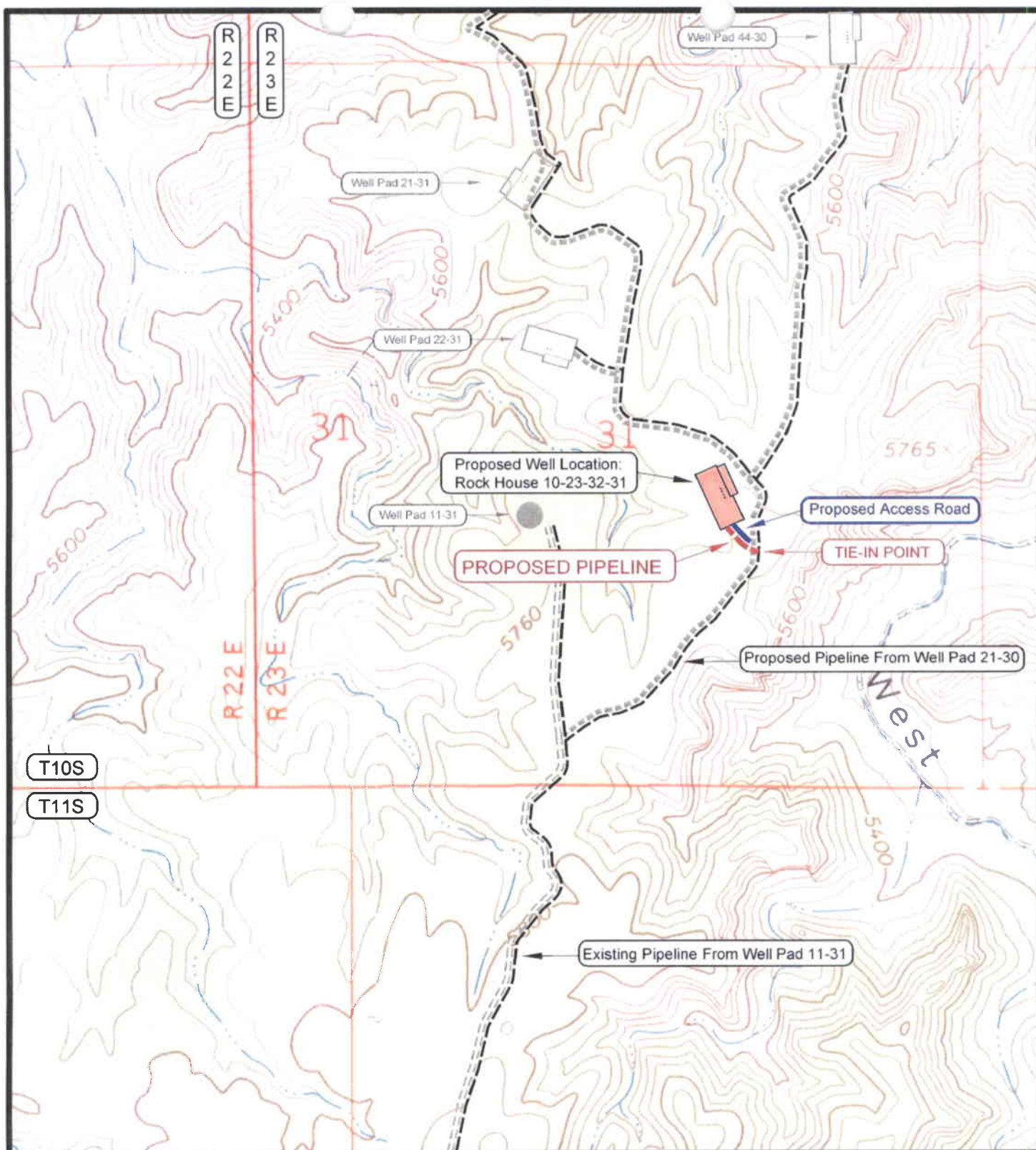
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SHEET  
10d  
OF 11





APPROXIMATE PIPELINE LENGTH = 270 FEET

#### LEGEND

- = PROPOSED PIPELINE
- = OTHER PIPELINE
- = PROPOSED ACCESS ROAD
- = SUBJECT WELL
- = OTHER WELLS
- = LEASE LINE AND / OR PROPERTY LINE

TOPOGRAPHIC MAP "D"

DATE SURVEYED: 12-13-05

DATE DRAWN: 12-15-05

SCALE: 1" = 1000'

DRAWN BY: B.J.Z.

REVISED: 04-27-06 M.W.W.

#### ENDURING RESOURCES

##### Rock House 10-23-32-31

Other wells on this pad: Rock House 10-23-33-31,  
Rock House 10-23-43-31 & Rock House 10-23-34-31  
SECTION 30, T10S, R23E, S.L.B.&M.

Timberline Land Surveying, Inc.

38 West 100 North Vernal, Utah 84078  
(435) 789-1365

SHEET

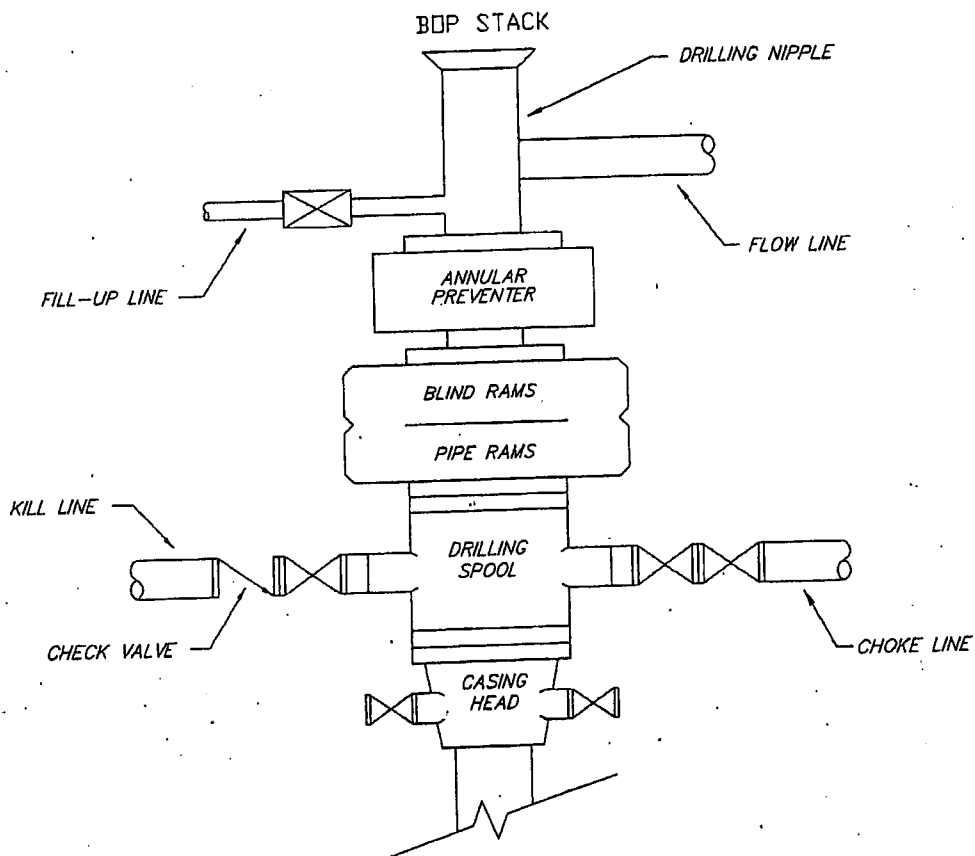
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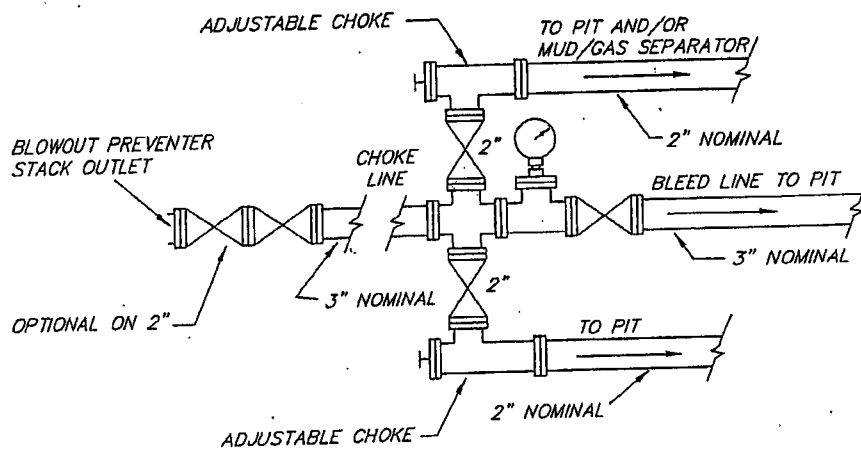


## ENDURING RESOURCES, LLC

### TYPICAL 3,000 p.s.i. BLOWOUT PREVENTER SCHEMATIC



### TYPICAL 3,000 p.s.i. CHOKE MANIFOLD SCHEMATIC





**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 05/19/2006

API NO. ASSIGNED: 43-047-38134

WELL NAME: ROCK HOUSE 10-23-32-31

OPERATOR: ENDURING RESOURCES, LLC ( N2750 )

CONTACT: AL ARLIAN

PHONE NUMBER: 303-350-5114

PROPOSED LOCATION:

NWSE 31 100S 230E

SURFACE: 2178 FSL 1877 FEL

BOTTOM: 1980 FNL 1980 FEL

COUNTY: UINTAH

LATITUDE: 39.90414 LONGITUDE: -109.3661

UTM SURF EASTINGS: 639675 NORTHINGS: 4418186

FIELD NAME: NATURAL BUTTES ( 630 )

INSPECT LOCATN BY: / /

**Tech Review**

**Initials**

**Date**

Engineering

Geology

Surface

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-81737

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: MVRD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat

☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. RLB0008031 )

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit  
(No. 49-2215 )

☒ RDCC Review (Y/N)  
(Date: )

☒ Fee Surf Agreement (Y/N)

☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

☐ R649-2-3.

Unit: \_\_\_\_\_

☐ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

☐ R649-3-3. Exception

☐ Drilling Unit

Board Cause No: \_\_\_\_\_

Eff Date: \_\_\_\_\_

Siting: \_\_\_\_\_

☒ R649-3-11. Directional Drill

COMMENTS: \_\_\_\_\_

STIPULATIONS: \_\_\_\_\_

1- Federal Approval  
2- Spacing Up


















## NATURAL BUTTES FIELD



**SPACING: R649-3-11 / DIRECTIONAL DRILLING**

☐ EXPLORATORY  
☐ GAS STORAGE  
☐ NF PP OIL  
☐ NF SECONDARY  
☐ PENDING  
☒ PI OIL  
☒ PP GAS  
☐ PP GEOTHERML  
☒ PP OIL  
☐ SECONDARY  
☐ TERMINATED

-  GAS INJECTION
-  GAS STORAGE
-  LOCATION ABANDONED
-  NEW LOCATION
-  PLUGGED & ABANDONED
-  PRODUCING GAS
-  PRODUCING OIL
-  SHUT-IN GAS
-  SHUT-IN OIL
-  TEMP. ABANDONED
-  TEST WELL
-  WATER INJECTION
-  WATER SUPPLY
-  WATER DISPOSAL
-  DRILLING



PREPARED BY: DIANA WHITNEY  
DATE: 24-MAY-2006





**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

May 25, 2006

Enduring Resources, LLC  
475 17th St., Ste. 1500  
Denver, CO 80202

Re: Rock House 10-23-32-31 Well, Surface Location 2178' FSL, 1877' FEL,  
NW SE, Sec. 31, T. 10 South, R. 23 East, Bottom Location 1980' FNL,  
1980' FEL, SW NE, Sec. 31, T. 10 South, R. 23 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-38134.

Sincerely,

A handwritten signature in black ink, appearing to read "Gil Hunt".

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal District Office



**Operator:** Enduring Resources, LLC  
**Well Name & Number** Rock House 10-23-32-31  
**API Number:** 43-047-38134  
**Lease:** UTU-81737

**Surface Location:** NW SE      **Sec.** 31      **T.** 10 South      **R.** 23 East  
**Bottom Location:** SW NE      **Sec.** 31      **T.** 10 South      **R.** 23 East

### **Conditions of Approval**

**1. General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

**2. Notification Requirements**

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

**3. Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

**4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.**

**5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.**

**6. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.**



**CONFIDENTIAL**

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  <small>Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.</small>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>UTU-81737</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
2. NAME OF OPERATOR: <b>Enduring Resources, LLC</b>		7. UNIT or CA AGREEMENT NAME: n/a
3. ADDRESS OF OPERATOR: <b>475 17th Street, Suite 1500</b> CITY <b>Denver</b> STATE <b>CO</b> ZIP <b>80202</b>		8. WELL NAME and NUMBER: <b>Rock House 10-23-32-31</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>2178' FSL - 1877' FEL</b>		9. API NUMBER: <b>4304738134</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NWSE 31 10S 23E S</b>		10. FIELD AND POOL, OR WILDCAT: <b>Undesignated</b>
COUNTY: <b>Uintah</b>  STATE: <b>UTAH</b>		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> <small>(Submit in Duplicate)</small>  Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: <b>Request for APD Extension</b>
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> <small>(Submit Original Form Only)</small>  Date of work completion: _____			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Enduring Resources, LLC respectfully request an extension to the expiration date of this Application for Permit to Drill ....

FROM: 5/25/2007  
TO: 5/25/2008

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 06-04-07  
By: [Signature]

COPY SENT TO OPERATOR  
Date: 6-4-07  
Initials: pm

NAME (PLEASE PRINT) <u>Evette Bissett</u>	TITLE <u>Regulatory Affairs Assistant</u>
SIGNATURE <u>[Signature]</u>	DATE <u>5/22/2007</u>

(This space for State use only)

**RECEIVED**  
**MAY 24 2007**



**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 4304738134  
**Well Name:** Rock House 10-23-32-31  
**Location:** 2178' FSL - 1877' FEL, NWSE, Sec 31, T10S-R23E  
**Company Permit Issued to:** Enduring Resources, LLC  
**Date Original Permit Issued:** 5/25/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☐

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

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Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐

*Quetta Bussitt*  
Signature

5/22/2007  
Date

Title: Regulatory Affairs Assistant

Representing: Enduring Resources, LLC

**RECEIVED  
MAY 24 2007**

DIV. OF OIL, GAS & MINING



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-81737
2. NAME OF OPERATOR: Enduring Resources, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: n/a
3. ADDRESS OF OPERATOR: 475 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: n/a
PHONE NUMBER: (303) 350-5719		8. WELL NAME and NUMBER: Rock House 10-23-32-31
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2178' FSL - 1877' FEL		9. API NUMBER: 4304738134
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 31 10S 23E S		10. FIELD AND POOL, OR WILDCAT: Undesignated

COUNTY: Uintah

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Request for APD Extension
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Enduring Resources, LLC respectfully request an extension to the expiration date of this Application for Permit to Drill ....

FROM: 6/4/2008  
TO: 6/4/2009

Approved by the  
Utah Division of  
Oil, Gas and Mining

COPY SENT TO OPERATOR

Date: 6-4-2008

Initials: KS

Date: 06-07-08

By: [Signature]

NAME (PLEASE PRINT) Alvin R. (Al) Arlian	TITLE Landman
SIGNATURE [Signature]	DATE 6/1/2008

(This space for State use only)

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JUN 02 2008

DIV. OF OIL, GAS & MINING



RESET

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 4304738134  
**Well Name:** Rock House 10-23-32-31  
**Location:** 2178' FSL - 1877' FEL, NWSE, Sec 31, T10S-R23E  
**Company Permit Issued to:** Enduring Resources, LLC  
**Date Original Permit Issued:** 5/25/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

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Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐



Signature

6/1/2008

Date

Title: Landman

Representing: Enduring Resources, LLC

**RECEIVED**

**JUN 02 2008**

DIV. OF OIL, GAS & MINING



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-81737			
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
<b>2. NAME OF OPERATOR:</b> Enduring Resources, LLC		<b>7. UNIT or CA AGREEMENT NAME:</b>			
<b>3. ADDRESS OF OPERATOR:</b> 475 17th Street, Suite 1500 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> ROCK HOUSE 10-23-32-31			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2178 FSL 1877 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 31 Township: 10.0S Range: 23.0E Meridian: S		<b>9. API NUMBER:</b> 43047381340000			
<b>PHONE NUMBER:</b> 303 350-5114 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES			
<b>COUNTY:</b> Uintah		<b>STATE:</b> UTAH			
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>					
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 5/25/2010  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input checked="" type="checkbox"/> APD EXTENSION          OTHER: _____       </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: _____
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<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> Request for an one-year extension to APD termination date.					
<b>Approved by the Utah Division of Oil, Gas and Mining</b>					
<b>Date:</b> <u>May 25, 2010</u>					
<b>By:</b>					
<b>NAME (PLEASE PRINT)</b> Alvin Arlian	<b>PHONE NUMBER</b> 303 350-5114	<b>TITLE</b> Landman-Regulatory			
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/25/2010				

**RECEIVED** May 25, 2010





## The Utah Division of Oil, Gas, and Mining

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

### Request for Permit Extension Validation Well Number 43047381340000

**API:** 43047381340000

**Well Name:** ROCK HOUSE 10-23-32-31

**Location:** 2178 FSL 1877 FEL QTR NWSE SEC 31 TWP 100S RNG 230E MER S

**Company Permit Issued to:** ENDURING RESOURCES, LLC

**Date Original Permit Issued:** 5/25/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

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- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Signature:** Alvin Arlian

**Date:** 5/25/2010

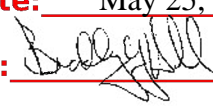
**Title:** Landman-Regulatory **Representing:** ENDURING RESOURCES, LLC

**Date:** May 25, 2010

**By:**

**RECEIVED** May 25, 2010



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
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<b>Approved by the Utah Division of Oil, Gas and Mining</b>					
<b>Date:</b> <u>May 25, 2010</u>					
<b>By:</b> 					
<b>NAME (PLEASE PRINT)</b> Alvin Arlian	<b>PHONE NUMBER</b> 303 350-5114	<b>TITLE</b> Landman-Regulatory			
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/25/2010				

**RECEIVED** May 25, 2010





## The Utah Division of Oil, Gas, and Mining

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

### Request for Permit Extension Validation Well Number 43047381340000

**API:** 43047381340000

**Well Name:** ROCK HOUSE 10-23-32-31

**Location:** 2178 FSL 1877 FEL QTR NWSE SEC 31 TWP 100S RNG 230E MER S

**Company Permit Issued to:** ENDURING RESOURCES, LLC

**Date Original Permit Issued:** 5/25/2006

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**Approved by the  
Utah Division of  
Oil, Gas and Mining**

**Signature:** Alvin Arlian

**Date:** 5/25/2010

**Title:** Landman-Regulatory **Representing:** ENDURING RESOURCES, LLC

**Date:** May 25, 2010

**By:**

**RECEIVED** May 25, 2010



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
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<b>STATE:</b> UTAH		
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<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 5/25/2011  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input checked="" type="checkbox"/> <b>APD EXTENSION</b>          OTHER: <input style="width: 100px;" type="text"/> </div> </div>	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b>  Request an one-year extension to APD termination date.		
<div style="color: red; font-weight: bold;">         Approved by the          Utah Division of          Oil, Gas and Mining       </div> <div style="color: red; font-weight: bold; margin-top: 10px;">         Date: 05/24/2011       </div> <div style="color: red; font-weight: bold; margin-top: 10px;">         By:  </div>		
<b>NAME (PLEASE PRINT)</b> Alvin Arlian		<b>PHONE NUMBER</b> 303 350-5114
<b>SIGNATURE</b> N/A		<b>TITLE</b> Landman-Regulatory
<b>DATE</b> 5/20/2011		





## The Utah Division of Oil, Gas, and Mining

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

### Request for Permit Extension Validation Well Number 43047381340000

**API:** 43047381340000

**Well Name:** ROCK HOUSE 10-23-32-31

**Location:** 2178 FSL 1877 FEL QTR NWSE SEC 31 TWP 100S RNG 230E MER S

**Company Permit Issued to:** ENDURING RESOURCES, LLC

**Date Original Permit Issued:** 5/25/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☐ Yes ☒ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

**Signature:** Alvin Arlian

**Date:** 5/20/2011

**Title:** Landman-Regulatory **Representing:** ENDURING RESOURCES, LLC

**RECEIVED** May. 20, 2011



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-81737
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> Enduring Resources, LLC		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> 511-16th Street, Suite 700 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> ROCK HOUSE 10-23-32-31
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2178 FSL 1877 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 31 Township: 10.0S Range: 23.0E Meridian: S		<b>9. API NUMBER:</b> 43047381340000
<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES		<b>COUNTY:</b> UINTAH
<b>STATE:</b> UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>5/25/2012</b>	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> <b>APD EXTENSION</b> OTHER: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:			
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:			
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 Request for an one-year extension to APD expiration date.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: June 04, 2012

By:

<b>NAME (PLEASE PRINT)</b> Alvin Arlian	<b>PHONE NUMBER</b> 303 350-5114	<b>TITLE</b> Landman-Regulatory
<b>SIGNATURE</b> N/A	<b>DATE</b> 5/23/2012	





## The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

### Request for Permit Extension Validation Well Number 43047381340000

API: 43047381340000

Well Name: ROCK HOUSE 10-23-32-31

Location: 2178 FSL 1877 FEL QTR NWSE SEC 31 TWP 100S RNG 230E MER S

Company Permit Issued to: ENDURING RESOURCES, LLC

Date Original Permit Issued: 5/25/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

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- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Alvin Arlian

Date: 5/23/2012

Title: Landman-Regulatory Representing: ENDURING RESOURCES, LLC



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-81737			
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>			
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<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES		<b>COUNTY:</b> UINTAH			
<b>STATE:</b> UTAH					
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>5/25/2013</b>  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input checked="" type="checkbox"/> <b>APD EXTENSION</b>          OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> <b>APD EXTENSION</b> OTHER: <input style="width: 100px;" type="text"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 60%;">           Request for an one-year extension of APD expiration date.         </div> <div style="width: 35%; text-align: right;"> <p style="color: red; font-weight: bold;">Approved by the Utah Division of Oil, Gas and Mining</p> <p style="color: red; font-weight: bold;">Date: May 23, 2013</p> <p style="color: red; font-weight: bold;">By: </p> </div> </div>					
<b>NAME (PLEASE PRINT)</b> Alvin Arlian		<b>PHONE NUMBER</b> 303 350-5114			
<b>SIGNATURE</b> N/A		<b>TITLE</b> Landman-Regulatory			
<b>DATE</b> 5/22/2013					





**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43047381340000**

API: 43047381340000

Well Name: ROCK HOUSE 10-23-32-31

Location: 2178 FSL 1877 FEL QTR NWSE SEC 31 TWP 100S RNG 230E MER S

Company Permit Issued to: ENDURING RESOURCES, LLC

Date Original Permit Issued: 5/25/2006

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Signature: Alvin Arlian

Date: 5/22/2013

Title: Landman-Regulatory Representing: ENDURING RESOURCES, LLC





GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

May 22, 2014

Al Arlian  
Enduring Resources, LLC  
511-16th Street, Suite 700  
Denver, CO 80202

Re: APD Rescinded – Rock House 10-23-32-31, Sec. 31 T. 10S, R. 23E  
Uintah County, Utah API No. 43-047-38134

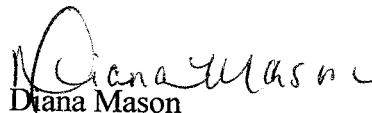
Dear Mr. Arlian:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on May 25, 2006. On June 4, 2007, June 2, 2008, June 3, 2009, May 25, 2010, May 24, 2011, June 4, 2012 and May 23, 2013 the Division granted a one-year APD extension. On May 22, 2014, you requested that the division rescind the state approved APD. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective May 22, 2014.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

  
Diana Mason  
Environmental Scientist

cc: Well File  
Bureau of Land Management, Vernal